FARALLON CONSULTING

November 14, 2023

Steven Jarrett
Washington State Department of Ecology
Underground Storage Tanks Section
PO Box 47655
Olympia, Washington 98504-7655

RE: UNDERGROUND STORAGE TANK SITE ASSESSMENT REPORT
ISSAQUAH FACILITY
6600 230TH AVENUE SOUTHEAST
ISSAQUAH, WASHINGTON
FARALLON PN: 525-039

Dear Steven Jarrett:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter on behalf of Lakeside Industries, Inc. (Lakeside Industries) to document the permanent decommissioning and removal of a three underground storage tank (UST) system, and excavation and disposal of petroleum-contaminated soil (PCS) at 6600 230th Avenue Southeast in Issaquah, Washington (herein referred to as the Property) (Figures 1 and 2). The UST system consisted of two 12,000-gallon diesel USTs (UST-ONE and UST-TWO), one 5,000-gallon gasoline UST (UST-THREE), three fuel dispensers (Dispensers 1 through 3), and associated piping (Figure 3).

UST decommissioning activities were completed by Glacier Environmental Services, Inc. of Mukilteo, Washington (Glacier). On August 23, 2023, Glacier's UST decommissioner damaged the UST piping with the excavator during decommissioning activities. Residual gasoline and/or diesel fuel were observed leaking from sections of the UST piping that were damaged by the excavator bucket. Soil and/or pea gravel material directly impacted from the leaking product piping were removed immediately and stockpiled on plastic sheeting. Based on the results of the site assessment sampling, four discrete and localized areas of PCS were identified beneath UST-TWO and in the northwestern sidewall as a result of the damaged product piping, and beneath Dispensers 1 and 2, which is likely attributable to minor release(s) during the use of the fuel dispensers. Based on soil analytical results and field observations during the time of UST removal, no evidence of a release from the USTs was identified.

The Property consists of King County Parcel No. 2224069012, which totals approximately 91 acres (Figure 2). The Property is developed with industrial area operations, including fuel storage and dispensing for fueling vehicles and equipment. The former UST system was located on the southeastern portion of the Property (Figure 3).

UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

UST decommissioning activities were conducted in August 2023. The work included the permanent decommissioning by removal of three USTs (UST-ONE through UST-THREE), three fuel dispensers, and associated piping. In addition, PCS associated with the UST system was excavated for disposal off the Property at Columbia Ridge Subtitle D Landfill in Arlington, Oregon. The locations of the USTs, fuel dispensers, piping, and excavation areas are shown on Figure 3.

Lakeside Industries contracted Glacier to permanently decommission by removal the UST system at the Property. Stephen Stellflug of Glacier served as the Washington State UST Decommissioning Supervisor (Certification No. 8189261). The decommissioning activities were conducted in accordance with the Washington State Underground Storage Tank Regulations established in Chapter 173-360A of the Washington Administrative Code (WAC 173-360A). John Kim of Farallon served as the Washington State UST Site Assessor (Certification No. 10276310). The Site Assessment was conducted in accordance with Ecology's Site Assessment Guidance for Underground Storage Tank Systems[1] (UST Site Assessment Guidance). The Site Assessment Checklist is provided in Attachment A.

NOTIFICATIONS AND PERMITS

On August 2, 2023, Lakeside Industries obtained City of Issaquah Fire Permit No. FIR23-00040 for removal of the UST. On July 5, 2023, Farallon, on behalf of Lakeside Industries, submitted a 30-Day Notice for decommissioning the USTs. On August 22, 2023, the City of Issaquah Fire Department observed the removal of the UST and signed off on Fire Permit No. FIR23-00040. On September 7, 2023, Farallon, on behalf of Lakeside Industries, reported the release of petroleum hydrocarbons discovered during UST decommissioning activities to Ecology and received Environmental Report Tracking System No. 725297. Copies of the notifications and permits are provided in Attachment B.

[1] Ecology. 2021. *Site Assessment Guidance for Underground Storage Tank Systems*. Publication No. 21-09-050. Revised October 2022. January (UST Site Assessment Guidance).

DECOMMISSIONING ACTIVITIES

The UST decommissioning field activities were conducted between August 21 and 29, 2023.

Prior to removal of the USTs, Glacier subcontracted with Marine Vacuum Service, Inc. of Seattle Washington (Mar-Vac) to remove and dispose of the remaining contents in the USTs, piping, and fuel dispensers. In addition, Mar-Vac triple-rinsed each UST for safe removal. Approximately 1,050 gallons of wastewater and residual product were removed from UST-ONE, approximately 750 gallons of wastewater and residual product were removed from UST-TWO, and approximately 750 gallons of wastewater and residual product were removed from UST-THREE. Following the UST cleaning activities, the fuel dispensers and associated piping were removed with an excavator and loaded directly into containers for off-Property disposal. Copies of the disposal documentation for the wastewater, residual product removed from the USTs, and USTs are provided in Attachment B.

A Farallon Washington State UST Site Assessor observed UST decommissioning activities, and recorded soil types encountered, visual and olfactory observations (e.g., staining, odor), and volatile organic vapor concentrations as measured using a photoionization detector. The top of each of the USTs was encountered at a depth of approximately 4 feet below ground surface (bgs). The three USTs were constructed of steel. The dimensions of UST-ONE and UST-TWO were 8 feet wide by 34 feet long, each with an estimated 12,000-gallon capacity. The dimensions of UST-THREE were 8 feet wide by 15 feet long, with an estimated 5,000-gallon capacity. Visual inspection was conducted on each UST upon removal. No evidence of holes, cracks, or leaks were observed on the USTs. Approximately 75 feet of UST piping was removed during UST decommissioning activities.

On August 23, 2023, Glacier's UST decommissioner damaged the UST piping with the excavator during decommissioning activities. Residual gasoline and/or diesel were observed leaking from sections of the UST piping that were damaged by the excavator bucket during UST removal activities. Soil and/or pea gravel material directly impacted from the leaking product piping were removed immediately and stockpiled on plastic sheeting.

The excavation area for removal of the USTs was approximately 40 by 47 feet, with a maximum depth of 13.5 feet bgs. Farallon conducted field-screening of soil during excavation activities. Petroleum-like odors and volatile organic vapor concentrations exceeding background concentrations, as measured with a photoionization detector, were noted in soil screened directly beneath the sections of piping that were damaged during UST decommissioning activities.

In-place soil observed in the excavation during removal of the USTs consisted of pea gravel in the immediate vicinity of the USTs, surrounded by soil with varying percentages of sand and silt. Groundwater was not encountered to the maximum depth of the excavation at approximately 13.5 feet bgs. Soil and pea gravel material excavated during removal of the USTs were segregated based on field-screening and temporarily stockpiled on plastic sheeting. Stockpiled soil and pea gravel were categorized in accordance with Ecology's Guidance for Remediation of Petroleum Contaminated Sites.[2] Stockpiled soil and pea gravel classified as PCS based on field observations and/or laboratory analytical results were subsequently transported to the Columbia Ridge Subtitle D Landfill in Arlington, Oregon for disposal. Stockpiled pea gravel that did not display evidence of suspect impact based on field-screening was reused as backfill in the excavation. Backfilling was completed by Lakeside Industries on August 29, 2023.

SITE ASSESSMENT SAMPLING AND ANALYSIS

Farallon collected 15 soil samples to meet the site assessment soil sampling requirements of the UST Site Assessment Guidance, as summarized below:

- Three soil samples were collected from beneath the USTs, including one sample from beneath the center of each of the USTs;
- Seven soil samples were collected from the sidewalls of the excavation to remove the USTs, including one sample beneath where the piping from the tanks entered a sidewall and six samples distributed across the four sidewalls of the excavation;
- Two soil samples were collected from beneath the UST piping, biased to locations beneath piping fittings; and
- Three soil samples were collected from beneath the fuel dispensers, including one sample from beneath the center of each of the fuel dispensers.

All soil samples were obtained using an excavator and were collected directly from the center of the excavator bucket. Soil samples were collected from the northern, southern, eastern, and western sidewalls at a depth of 8 feet bgs; soil samples collected from beneath the USTs were collected at depths of 13 and 13.5 feet bgs; soil samples collected from beneath the UST piping were collected at a depth of 5.0 feet bgs; and soil samples collected

[2] 2010. Ecology. *Guidance for Remediation of Petroleum Contaminated Sites*. Publication No. 10-09-057. Revised June 2016. November.

from the fuel dispensers were collected at depths of 0.5 and 1 foot bgs. The site assessment sampling locations are depicted on Figure 4.

Soil samples retained for volatile organic compound (VOC) analysis were collected in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A. The soil samples were placed in laboratory-supplied containers, stored on ice in a cooler, and transported for laboratory analysis to Friedman & Bruya, Inc. (Friedman & Bruya) of Seattle, Washington under standard chain-of-custody procedures. The soil samples were analyzed in accordance with the requirements of Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Table 830-1: Required Testing for Petroleum Releases, for one or more of the following:

- Total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) and oil-range organics (ORO) by Northwest Method NWTPH-Dx;
- TPH as gasoline-range organics (GRO) by Northwest Method NWTPH-Gx;
- VOCs including benzene, toluene, ethylbenzene, and total xylenes (BTEX) and fuel additive constituents (1,2-dibromoethane, 1,2-dichloroethane, hexane, methyl tertiary-butyl ether, and naphthalene) by EPA Method 8260D;
- Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270E; and
- Lead by EPA Method 6020B.

SITE ASSESSMENT SAMPLING RESULTS

The site assessment sampling results are described below. Analytical results for soil samples are presented in Tables 1 through 3 and illustrated on Figures 5 and 6. The laboratory analytical reports are provided in Attachment C.

The site assessment sampling results confirmed that soil exceeded the MTCA Method A cleanup levels in four discrete and localized areas, as summarized below:

- DRO and GRO were detected at concentrations exceeding MTCA Method A cleanup levels in soil sample DISP01-0.5, collected from beneath Dispenser 1 at a depth of 0.5 foot bgs. Based on field observations, the source of DRO and GRO beneath Dispenser 1 is likely attributable to minor release(s) during the use of the fuel dispenser.
- DRO was detected at a concentration exceeding the MTCA Method A cleanup level in soil sample DISP02-0.5, collected from beneath Dispenser 2 at a depth of 0.5 foot

bgs. Based on field observations, the source of DRO beneath Dispenser 2 is likely attributable to minor release(s) during the use of the fuel dispenser.

- DRO, GRO, benzene, toluene, xylenes, and total naphthalenes were detected at concentrations exceeding MTCA Method A cleanup levels in soil sample EX01-WSW-5.0, collected from the western sidewall of the UST excavation beneath the UST piping that was damaged during removal activities at a depth of 5 feet bgs. Based on field observations, the source of DRO, GRO, benzene, toluene, xylenes, and total naphthalenes within the western excavation sidewall is attributable to the release caused by the piping damage during removal activities.
- Benzene was detected at a concentration exceeding MTCA Method A cleanup levels in soil sample EX01-BOT01-13.0, collected from beneath UST-TWO at a depth of 13 feet bgs. Based on field observations, the source of benzene beneath UST-TWO is attributable to the release caused by the piping damage during removal activities.

DRO, ORO, GRO, VOCs, cPAHs, and lead were reported as either not detected at the laboratory practical quantitation limit or at concentrations less than applicable MTCA Method A cleanup levels in the remaining samples analyzed.

EXCAVATION OF CONTAMINATED SOIL

Based on the results of the site assessment soil sampling, discrete and localized areas of PCS were identified beneath UST-TWO and in the northwestern sidewall as a result of the damaged product piping, and beneath fuel Dispensers 1 and 2 (Figures 5 and 6). Glacier was contracted to excavate PCS for off-Property disposal. PCS from each discrete excavation area was excavated using an excavator and temporarily stockpiled on plastic sheeting before being loaded into trucks for transportation off the Property for disposal at the Columbia Ridge Subtitle D Landfill in Arlington, Oregon.

Farallon observed subsurface conditions and retained soil samples from the sidewalls and bottoms of the excavation areas for laboratory analysis based on field indications of potential contamination. Observations were recorded on field forms, and included soil types encountered, visual and olfactory notations and indications of potential contamination, and volatile vapor concentrations as measured using a photoionization detector. Contaminated soil was excavated laterally and vertically until field observations and laboratory analytical results indicated that contaminated soil with petroleum hydrocarbons exceeding MTCA Method A cleanup levels had been completely removed from each discrete excavation area.

A total of 13 confirmation soil samples were collected from the final limits of each excavation area to confirm that all PCS was removed from the Property, as summarized below:

- One additional confirmation sample was collected to bound the PCS beneath UST-TWO;
- Four additional confirmation samples were collected to bound the PCS associated with the fuel piping release proximate to the UST excavation;
- Five additional confirmation samples were collected to bound the PCS proximate to Dispenser 1; and
- Three additional confirmation samples were collected to bound the PCS proximate to Dispenser 2.

Excavation soil samples were obtained using a track hoe excavator and were collected directly from the center of the excavator bucket. Soil samples retained for VOC analysis were collected in accordance with EPA Method 5035A. Samples were placed on ice in a cooler under standard chain-of-custody protocols and delivered to Friedman & Bruya for analysis of DRO, ORO, GRO, BTEX, and/or naphthalenes.

CONFIRMATION SOIL SAMPLING RESULTS

The confirmation soil sampling analytical results demonstrate that all soil with concentrations exceeding MTCA Method A cleanup levels was completely excavated and transported off the Property for disposal.

Results from the confirmation soil samples collected following excavation of PCS are described below. Analytical results for confirmation soil samples are presented in Tables 1 and 2 and illustrated on Figures 5 and 6. The laboratory analytical reports are provided in Attachment C.

UST-TWO

Concentrations of benzene were less than the MTCA Method A cleanup level in the soil sample collected from beneath UST-TWO (Figure 6, Table 1). The final depth of the PCS excavation within the vicinity of UST-TWO was 13.5 feet bgs (Figure 6).

UST Excavation Western Sidewall

Concentrations of DRO, GRO, benzene, toluene, xylenes, and total naphthalenes were less than the MTCA Method A cleanup levels in the soil samples collected from the western

sidewall of the UST excavation proximate to the product piping that was damaged during UST decommissioning activities (Figures 5 and 6, Tables 1 and 2). The final depth of the PCS excavation proximate to the UST excavation western sidewall exceedance was 8 feet bgs (Figures 5 and 6).

Dispenser 1

Concentrations of DRO and GRO were less than the MTCA Method A cleanup levels in soil samples collected proximate to Dispenser 1 (Figure 5, Table 1). The final depth of the PCS excavation at Dispenser 1 was 1 foot bgs (Figure 5).

Dispenser 2

Concentrations of DRO were less than the MTCA Method A cleanup level in the soil samples collected proximate to Dispenser 2 (Figure 5, Table 1). The final depth of the excavation at Dispenser 2 was 2 feet bgs.

SOIL TRANSPORTATION AND DISPOSAL

Approximately 50.1 tons of PCS was excavated and transported off the Property for disposal at the Columbia Ridge Subtitle D Landfill in Arlington, Oregon. Soil disposal documentation is provided in Attachment B.

CONCLUSIONS

In August 2023, a UST system consisting of two 12,000-gallon diesel USTs, one 5,000-gallon gasoline UST, three fuel dispensers, and associated piping were permanently decommissioned by removal in accordance with Washington State UST Regulations and Ecology's UST Site Assessment Guidance.

UST site assessment sampling conducted during UST decommissioning confirmed a release of petroleum hydrocarbons into the surrounding soil at four discrete and localized areas. Approximately 50.1 tons of PCS was excavated and transported off the Property for disposal at the Columbia Ridge Subtitle D Landfill in Arlington, Oregon.

Confirmation soil sampling was conducted at the final extents of the PCS excavation areas. Based on the confirmation soil sampling results, concentrations of DRO, ORO, GRO, BTEX, and total naphthalenes were less than the MTCA Method A cleanup levels for unrestricted land use in all confirmation samples analyzed. These data confirm that all PCS associated with the decommissioned UST system was successfully excavated and removed from the Property and disposed of at an approved facility.

CLOSING

Farallon trusts that this letter provides sufficient information to Ecology for permanent UST decommissioning by removal. Please contact Pete Kingston at (425) 295-0800 if you have questions or require additional information.

Sincerely,

Farallon Consulting, L.L.C.

Greg Peters
Project Scientist

Pete Kingston, L.G.
Principal Geologist

Peter J. Kingston

Sarah Snyder, L.G.
Senior Geologist

Sarah E. Snyder

Attachments: Figure 1, *Property Vicinity Map*
Figure 2, *Property Layout*
Figure 3, *Property Plan*
Figure 4, *UST Excavation Sampling Locations*
Figure 5, *UST Excavation Soil Analytical Results for TPH*
Figure 6, *UST Excavation Soil Analytical Results for BTEX*
Table 1, *Soil Analytical Results for TPH and BTEX*
Table 2, *Soil Analytical Results for PAHs*
Table 3, *Soil Analytical Results for Other Associated Petroleum Additives*
Attachment A, Site Assessment Checklist
Attachment B, UST Decommissioning Documents
Attachment C, Laboratory Analytical Reports

cc: Karen Deal, Lakeside Industries, Inc.
Kyler Danielson, Lakeside Industries, Inc.

GP/SS/PK:sw

LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- Accuracy of Information. Farallon reviewed certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include

verification of its accuracy. Should the information upon which Farallon relied prove to be inaccurate, Farallon may revise its conclusions, opinions, and/or recommendations.

- Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Property that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Property that were not investigated or were inaccessible. Property activities beyond Farallon's control could change at any time after the completion of this report/assessment.

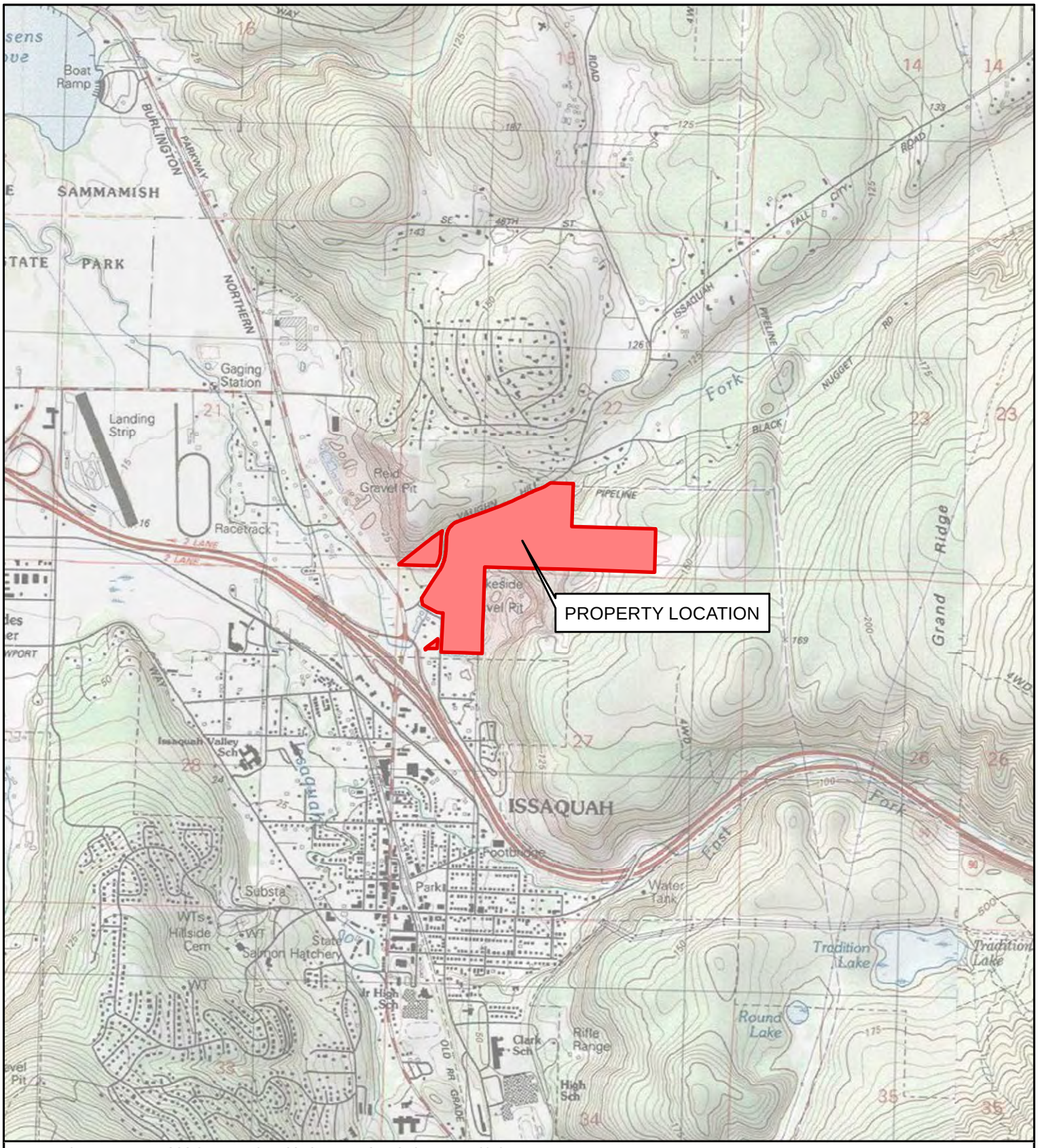
Farallon does not guarantee that the Property is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions are as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Lakeside Industries. No other warranties, representations, or certifications are made.

FIGURES

UNDERGROUND STORAGE TANK SITE ASSESSMENT REPORT
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington

Farallon PN: 525-039



REFERENCE: 7.5 MINUTE USGS QUADRANGLE ISSAQUAH, WASHINGTON, DATED 2013

0 2,000
SCALE IN FEET

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FIGURE 1

PROPERTY VICINITY MAP
ISSAQUAH FACILITY
6600 230th AVENUE SOUTHEAST
ISSAQUAH, WASHINGTON

FARALLON PN: 525-039

Drawn By: lmurock Checked By: SS Date: 11/14/2023 Disc Reference:
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LEGEND

- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

0 400
SCALE IN FEET

N

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 2

PROPERTY LAYOUT
ISSAQUAH FACILITY
6600 230th AVENUE SOUTHEAST
ISSAQUAH, WASHINGTON

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Drawn By: lmurock | Checked By: SS | Date: 11/14/2023

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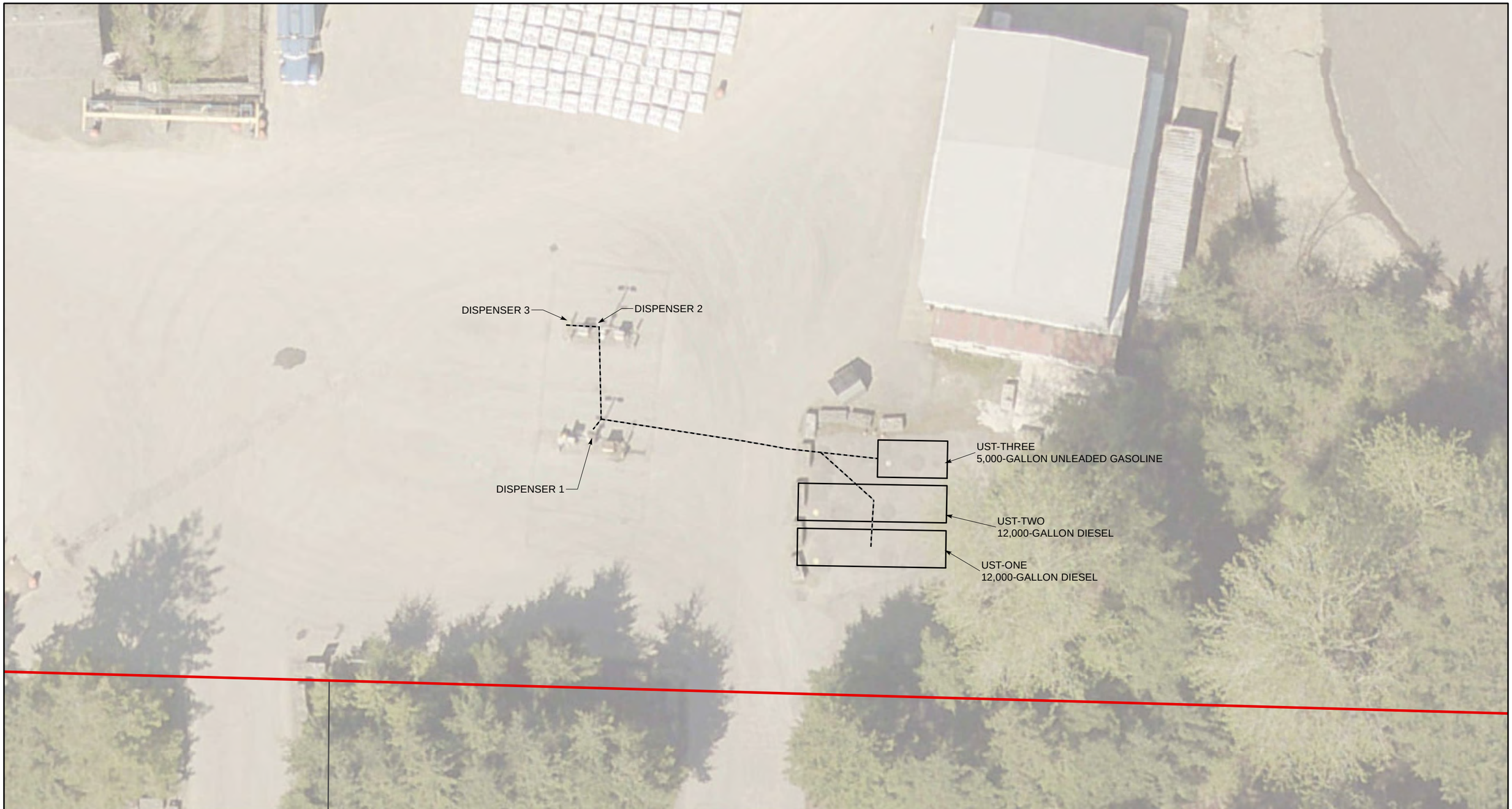

LEGEND

- FUEL CONVEYANCE LINE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

UST = UNDERGROUND STORAGE TANK

0 20
SCALE IN FEET

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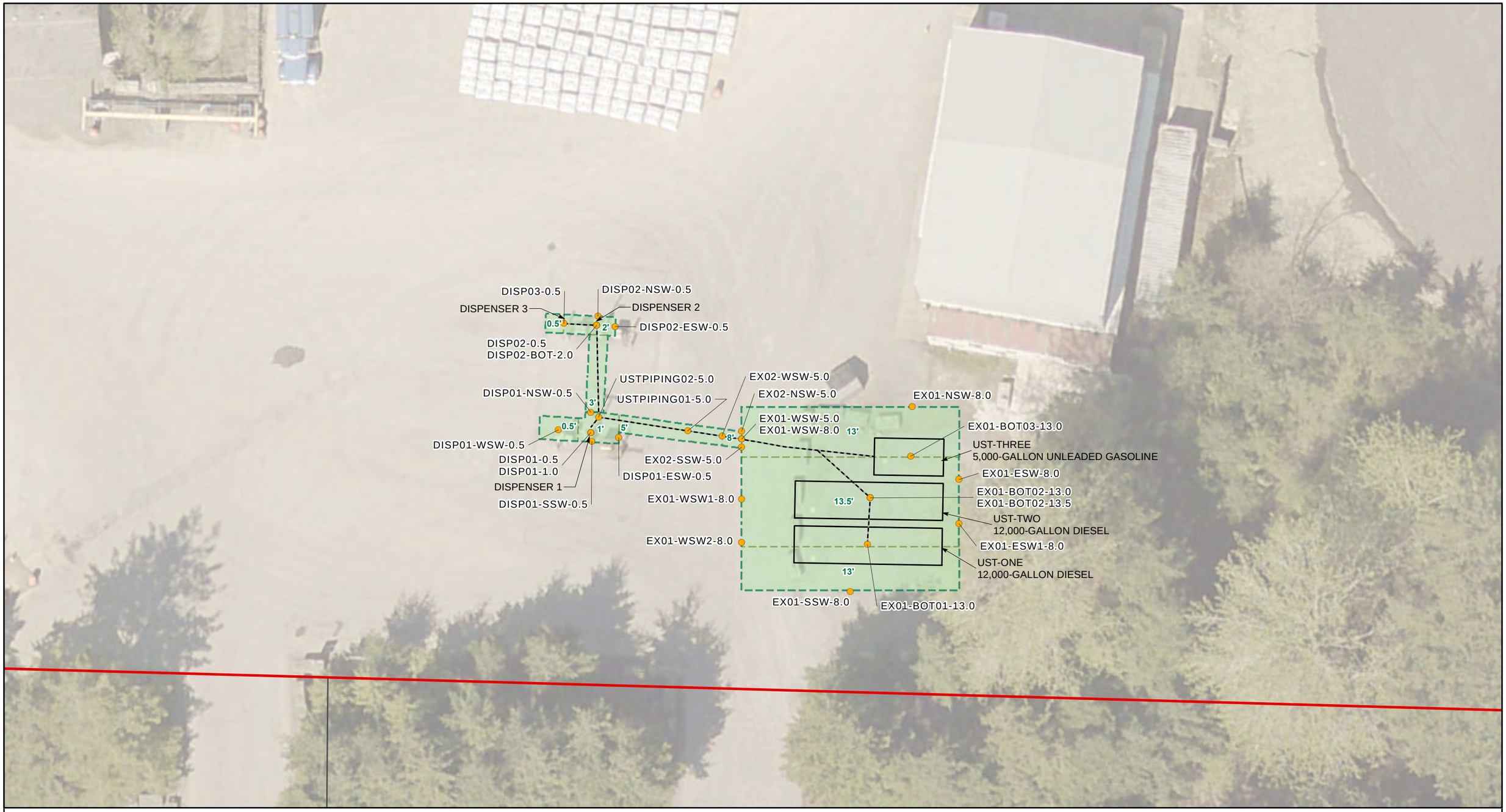
FIGURE 3

PROPERTY PLAN
ISSAQUAH FACILITY
6600 230th AVENUE SOUTHEAST
ISSAQUAH, WASHINGTON

FARALLON PN: 525-039

Drawn By: lmurock | Checked By: SS | Date: 11/14/2023 | Disc Reference: Q:\Projects\525 LakesideIndust\039 Issaquah Facility\Mapfiles\003\Figure-03_PropertyPlan.mxd



LEGEND

- EXCAVATION SOIL SAMPLE
- EXCAVATION BENCHING
- FUEL CONVEYANCE LINE
- PROPERTY FEATURE
- 13.5' EXCAVATION EXTENT (DEPTH IN FEET BELOW GROUND SURFACE)
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- UST = UNDERGROUND STORAGE TANK

0 20
SCALE IN FEET

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FIGURE 4

UST EXCAVATION SAMPLING LOCATIONS
ISSAQUAH FACILITY
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ISSAQUAH, WASHINGTON

FARALLON PN: 525-039

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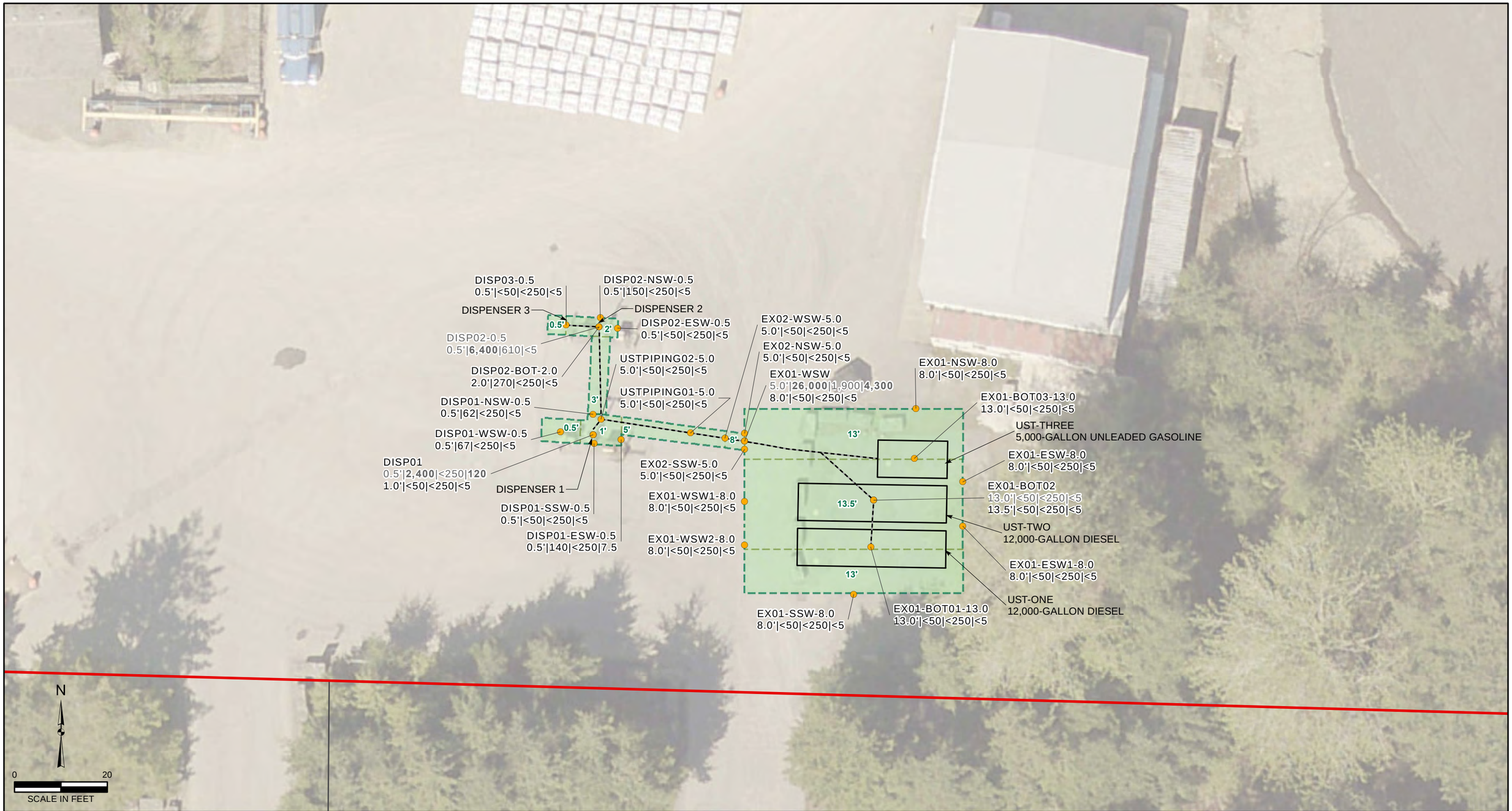

LEGEND

- EXCAVATION SOIL SAMPLE
- EXCAVATION BENCHING
- FUEL CONVEYANCE LINE
- PROPERTY FEATURE
- EXCAVATION EXTENT (DEPTH IN FEET BELOW GROUND SURFACE) — 13.5'
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SOIL DEPTH AND ANALYTICAL RESULTS AS:
DEPTH IN FEET BELOW GROUND SURFACE | DRO | ORO | GRO
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
GRAY = OVER-EXCAVATED SAMPLE
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
UST = UNDERGROUND STORAGE TANK

NOTES:
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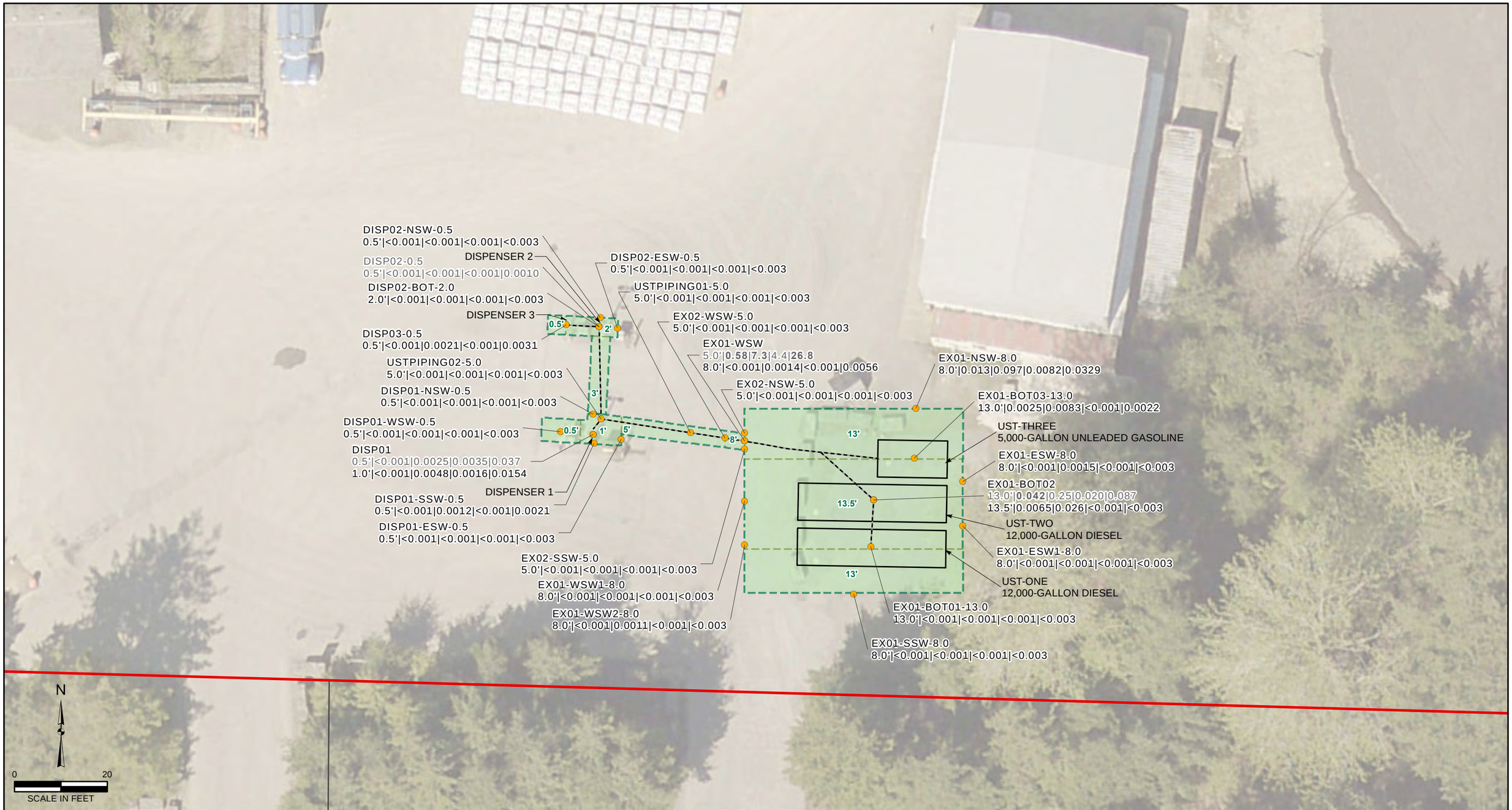
FIGURE 5

UST EXCAVATION SOIL ANALYTICAL RESULTS FOR TPH
ISSAQUAH FACILITY
6600 230th AVENUE SOUTHEAST
ISSAQUAH, WASHINGTON

FARALLON PN: 525-039

Drawn By: lmurock | Checked By: SS | Date: 11/14/2023 | Disc Reference: Q:\Projects\525 LakesideIndust\039 Issaquah Facility\Mapfiles\003\Figure-05_Soil_TPH.mxd



LEGEND

- EXCAVATION SOIL SAMPLE
- EXCAVATION BENCHING
- FUEL CONVEYANCE LINE
- PROPERTY FEATURE
- EXCAVATION EXTENT (DEPTH IN FEET BELOW GROUND SURFACE) — 13.5'
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SOIL DEPTH AND ANALYTICAL RESULTS AS:
DEPTH IN FEET BELOW GROUND SURFACE | BENZENE | TOLUENE | ETHYLBENZENE | XYLENES
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
GRAY = OVER-EXCAVATED SAMPLE
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
UST = UNDERGROUND STORAGE TANK

NOTES:
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FIGURE 6

UST EXCAVATION SOIL ANALYTICAL RESULTS FOR BTEX
ISSAQUAH FACILITY
6600 230th AVENUE SOUTHEAST
ISSAQUAH, WASHINGTON

FARALLON PN: 525-039

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TABLES

UNDERGROUND STORAGE TANK SITE ASSESSMENT REPORT
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington

Farallon PN: 525-039

Table 1
Soil Analytical Results for TPH and BTEX
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington
Farallon PN: 525-039

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Sample Status	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
2023 Underground Storage Tank Excavation Samples											
DISP01-0.5	DISP01-0.5	0.5	8/23/2023	Over Excavated	**2,400**	< 250	**120**	< 0.001	0.0025	0.0035	0.037
DISP02-0.5	DISP02-0.5	0.5	8/23/2023	Over Excavated	**6,400**	610 x	< 5	< 0.001	< 0.001	< 0.001	0.0010
DISP03-0.5	DISP03-0.5	0.5	8/23/2023	In-Place	< 50	< 250	< 5	< 0.001	0.0021	< 0.001	0.0031
EX01-NSW-8.0	EX01-NSW-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	0.013	0.097	0.0082	0.0329
EX01-ESW-8.0	EX01-ESW-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	0.0015	< 0.001	< 0.003
EX01-ESW1-8.0	EX01-ESW1-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX01-SSW-8.0	EX01-SSW-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX01-WSW-5.0	EX01-WSW-5.0	5.0	8/24/2023	Over Excavated	**26,000**	1,900 x	**4,300**	**0.58**	**7.3**	4.4	**26.8**
EX01-WSW1-8.0	EX01-WSW1-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX01-WSW2-8.0	EX01-WSW2-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	0.0011	< 0.001	< 0.003
EX01-BOT01-13.0	EX01-BOT1-13.0	13.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX01-BOT02-13.0	EX01-BOT2-13.0	13.0	8/24/2023	Over Excavated	< 50	< 250	< 5	**0.042**	0.25	0.020	0.087
EX01-BOT03-13.0	EX01-BOT3-13.0	13.0	8/23/2023	In-Place	< 50	< 250	< 5	0.0025	0.0083	< 0.001	0.0022
USTPIPING01-5.0	UST PIPING-01-5.0	5.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
USTPIPING02-5.0	UST PIPING-02-5.0	5.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Confirmation Soil Samples											
DISP01-1.0	DISP01-1.0	1.0	8/23/2023	In-Place	< 50	< 250	< 5	< 0.001	0.0048	0.0016	0.0154
DISP01-NSW-0.5	DISP01-NSW-0.5	0.5	8/24/2023	In-Place	62	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
DISP01-ESW-0.5	DISP01-ESW-0.5	0.5	8/24/2023	In-Place	140	< 250	7.5	< 0.001	< 0.001	< 0.001	< 0.003
DISP01-SSW-0.5	DISP01-SSW-0.5	0.5	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	0.0012	< 0.001	0.0021
DISP01-WSW-0.5	DISP01-WSW-0.5	0.5	8/24/2023	In-Place	67	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
DISP02-NSW-0.5	DISP02-NSW-0.5	0.5	8/24/2023	In-Place	150	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
DISP02-ESW-0.5	DISP02-ESW-0.5	0.5	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
DISP02-BOT-2.0	DISP02-BOT-2.0	2.0	8/24/2023	In-Place	270	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX01-BOT02-13.5	EX01-BOT2-13.5	13.5	8/24/2023	In-Place	< 50	< 250	< 5	0.0065	0.026	< 0.001	< 0.003
EX01-WSW-8.0	EX01-WSW-8.0	8.0	8/24/2023	In-Place	< 50	< 250	< 5	< 0.001	0.0014	< 0.001	0.0056
EX02-NSW-5.0	EX02-NSW-5.0	5.0	8/25/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX02-SSW-5.0	EX02-SSW-5.0	5.0	8/25/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX02-WSW-5.0	EX02-WSW-5.0	5.0	8/25/2023	In-Place	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
MTCA Method A Cleanup Levels for Soil[5]					**2,000**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**

Table 1
Soil Analytical Results for TPH and BTEX
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington
Farallon PN: 525-039

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Sample Status	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Stockpile Samples											
Stockpile02-1	STOCKPILE02-1	NA	8/24/2023	Over-Excavated	170	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Stockpile02-2	STOCKPILE02-2	NA	8/24/2023	Over-Excavated	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Stockpile02-3	STOCKPILE02-3	NA	8/24/2023	Over-Excavated	< 50	< 250	< 5	< 0.001	0.0016	< 0.001	0.0072
MTCA Method A Cleanup Levels for Soil[5]					**2,000**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by Northwest Method NWTPH-Gx.

[4]Analyzed by U.S. Environmental Protection Agency Method 8260D.

[5]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[6]Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

NA = not applicable

ORO = TPH as oil-range organics

x = the sample chromatographic pattern does not resemble the fuel standard used for quantitation

Table 2
Soil Analytical Results for PAHs
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington
Farallon PN: 525-039

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Sample Status	Analytical Results (milligrams per kilogram)[2]											
					Non-Carcinogenic PAHs				Carcinogenic PAHs							
					Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes[3]	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[4,5]
2023 Underground Storage Tank Excavations																
DISP01-0.5	DISP01-0.5	0.5	8/23/2023	Over-Excavated	0.041	0.20	0.34	0.581	< 0.01	< 0.01	< 0.01	< 0.01	0.029	< 0.01	< 0.01	0.008
DISP02-0.5	DISP02-0.5	0.5	8/23/2023	Over-Excavated	0.013	0.11	0.16	0.283	< 0.01 J	< 0.01	< 0.01 J	< 0.01 J	0.038	< 0.01 J	< 0.01 J	0.008
EX01-WSW-5.0	EX01-WSW-5.0	5.0	8/24/2023	Over-Excavated	4.2	12	20	**36.2**	< 0.01	0.020	0.014	< 0.01	0.16	< 0.01	< 0.01	0.012
EX01-WSW-8.0	EX01-WSW-8.0	8.0	8/24/2023	In-Place	< 0.01	< 0.01	< 0.01	< 0.03	---	---	---	---	---	---	---	---
MTCA Method A Cleanup Levels for Soil [6]								**5**								**0.1**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
--- denotes sample not analyzed.

[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 8270E.
[3]Sum of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.
[4]Total carcinogenic polycyclic aromatic hydrocarbons derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.
[5]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.
[6]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons
J = result is an estimate
NE = not established
PAHs = polycyclic aromatic hydrocarbons
TEC = toxic equivalent concentration

Table 3
Soil Analytical Results for Other Associated Petroleum Additives
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington
Farallon PN: 525-039

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Sample Status	Analytical Results (milligrams per kilogram)					
					Lead[2]	1,2-Dibromoethane (EDB)[3]	1,2-Dichloroethane (EDC)[3]	Hexane[3]	Methyl Tertiary-Butyl Ether (MTBE)[3]	Naphthalene[3]
2023 Underground Storage Tank Excavations										
DISP01-0.5	DISP01-0.5	0.5	8/23/2023		2.82	< 0.005	< 0.002	< 0.25	< 0.002	0.048
EX01-WSW-5.0	EX01-WSW-5.0	5.0	8/24/2023		2.39	< 0.05	< 0.05	1.5	< 0.05	2.3
MTCA Cleanup Levels for Soil[4]					**250**	**0.005**	**11[5]**	**4,800[5]**	**0.1**	**5.0**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Vadose @ 13 Degrees Celsius[5]					**3,000**	**0.00027**	**0.023**	**72**	**0.1**	**4.5**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Saturated[5]					**150**	**0.000018**	**0.0016**	**1.8**	**0.0072**	**0.24**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6020B.

[3]Analyzed by U.S. Environmental Protection Agency Method 8260D.

[4]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[5]Washington State Cleanup Levels and Risk Calculations (CLARC) under Washington State MTCA, Standard Method B Formula Values for Soil from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

ATTACHMENT A
SITE ASSESSMENT CHECKLIST

UNDERGROUND STORAGE TANK SITE ASSESSMENT REPORT
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington

FARALLON PN: 525-039

DEPARTMENT OF ECOLOGY
State of Washington

UST ID #: 11044
County: KING

SITE CHECK/SITE ASSESSMENT CHECKLIST
FOR UNDERGROUND STORAGE TANKS

This checklist certifies that site check or site assessment activities were performed in accordance with Chapter 173-360A WAC. Instructions are found on the last page.

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION	
Facility Compliance Tag #:		Owner/Operator Name:	Karen Deal
UST ID #:	ONE, TWO, THREE	Business Name:	Lakeside Industries, Inc
Site Name:	Lakeside Industries Issaquah Facility	Address:	6505 226th Pl SE Suite 200, P.O. Box 8016
Site Address:	6600 230th Avenue SE	City: Issaquah	State: WA Zip: 98027
City:	Issaquah	Phone:	425-313-2660
Phone:		Email:	karen.deal@lakesideindustries.com

III. CERTIFIED SITE ASSESSOR			
Service Provider Name:	John Kim	Company Name:	Farallon Consulting
Cell Phone: 909-921-6729 Email:	jkim@farallonconsulting.com	Address:	975 5th Avenue NW
Certification #:	10276310 Exp. Date:	City: Issaquah	State: WA Zip: 98027

IV. TANK INFORMATION

TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	DATE SITE CHECK OR ASSESSMENT CONDUCTED
ONE	12,000 gallon	Diesel	8/24/2023
TWO	12,000 gallon	Diesel	8/24/2023
THREE	5,000 gallon	Gasoline	8/24/2023

V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one)

- ☒ Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place).
- ☐ Release investigation following a failed tank and/or line tightness test.
- ☐ Release investigation following discovery of contaminated soil and/or groundwater.
- ☐ Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts.
- ☐ UST system is undergoing a "change-in-service", which is changing from storing a regulated substance (e.g. gasoline) to storing a non-regulated substance (e.g. water).
- ☐ Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988.
- ☐ Other (describe):

VI. CHECKLIST

The site assessor must check each of the following items and include it in the report. Sections referenced below can be found in the Ecology publication *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*.	YES	NO
1. The location of the UST site is shown on a vicinity map.	☒	☐
2. A brief summary of information obtained during the site inspection is provided (Section 3.2)	☒	☐
3. A summary of UST system data is provided (Section 3.1)	☒	☐
4. The soils characteristics at the UST site are described. (Section 5.2)	☒	☐
5. Is there any apparent groundwater in the tank excavation?	☐	☒
6. A brief description of the surrounding land use is provided. (Section 3.1)	☒	☐
7. The name and address of the laboratory used to perform analyses is provided. The methods used to collect and analyze the samples, including the number and types of samples collected, are also documented in the report. The data from the laboratory is appended to the report.	☒	☐
8. The following items are provided in one or more sketches:		
• Location and ID number for all field samples collected	☒	☐
• If applicable, groundwater samples are distinguished from soil samples	☒	☐
• Location of samples collected from stockpiled excavated soil	☒	☐
• Tank and piping locations and limits of excavation pit	☒	☐
• Adjacent structures and streets	☒	☐
• Approximate locations of any on-site and nearby utilities	☒	☐
9. If sampling procedures are different from those specified in the guidance, has justification for using these alternative sampling procedures been provided? (Section 3.4)	☒	☐
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method, and detection limit for that method. Any sample exceeding MTCA Method A cleanup standards are highlighted or bolded.	☒	☐
11. Any factors that may have compromised the quality of the data or validity of the results are described.	☒	☐
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred. The requirements for reporting confirmed releases can be found in WAC 173-360-372.	☒	☐

VII. REQUIRED SIGNATURES

Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360A-0730 through 0750.

John Kim		8/24/2023
Print or Type Name	Signature of Certified Site Assessor	Date

SITE CHECK/SITE ASSESSMENT CHECKLIST
FOR UNDERGROUND STORAGE TANKS

INSTRUCTIONS

This checklist must accompany the results of a Site Check Report, which is performed if a release of petroleum or other regulated substance is suspected. It is also required to accompany a Site Assessment Report, which is required following the permanent closure or "change-in-service" of an underground storage tank system. This form is required to be filled out whether or not contamination is found. This checklist is to be completed by the Site Assessor and submitted **within thirty days of completing** these activities to the following address:

Dept. of Ecology
UST Section
PO Box 47655
Olympia, WA 98504-7655

I./II. UST Facility and Owner/Operator Information: Fill out these sections completely. If you do not know your UST ID number, include the facility compliance tag number.

III. Service Provider Information: It is the responsibility of the ICC-certified Site Assessor to ensure that sampling and documentation procedures are completed in accordance with Ecology's *Guidance for Site Checks and Site Assessment for Underground Storage Tanks*.

IV. Tank Information: Use the same Tank identification numbers listed on the facility's Business License which is based on the most recent UST Addendum on file with Ecology. List the last substance stored in each tank, the tank sizes and the date the site check or site assessment was completed.

V. Required Signature: The Site Assessor signature certifies these procedures were followed.

All confirmed releases must be reported to Ecology by the owner within 24 hours and by service providers within 72 hours of discovery. A Site Characterization Report must be submitted to Ecology within 90 days after confirming a release.

Further questions? *Please contact your regional office below and ask for a tank inspector to assist you.*

Regional Office	Counties Served
Central (509) 575-2490	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima
Eastern (509) 329-3400	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman
HQ (360) 407-7170	Federal facilities in Western Washington
Northwest (425) 649-7000	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom
Southwest (360) 407-6300	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum

or find a complete list of UST inspectors at:
www.ecy.wa.gov/programs/tcp/ust-lust/people.html

ATTACHMENT B
UST DECOMMISSIONING DOCUMENTS

UNDERGROUND STORAGE TANK SITE ASSESSMENT REPORT
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington

FARALLON PN: 525-039

DEPARTMENT OF ECOLOGY
State of Washington

30-DAY NOTICE

FOR UNDERGROUND STORAGE TANK SYSTEMS

This form provides Ecology 30-days' advanced notice for projects, as required by Chapter 173-360A WAC. Instructions are on the back page.

RECEIVED Date JUL 17 2023
Washington State Department of Ecology
Toxics Cleanup Program

UST ID #: 11044
County: King

Please ✓ the appropriate box: ☐ Intent to Install ☒ Intent to Close ☐ Change-in-Service

I. SITE INFORMATION	II. OWNER/OPERATOR INFORMATION
Tag or UBI # (if applicable): A3820	Owner/Operator Name: Karen Deal
UST ID # (if applicable): One, two, & three	Business Name: Lakeside Industries, Inc.
Site Name: Lakeside Industries' Issaquah Facility	Mailing Address: 6505 226th Place S.E. Suite 200, P.O. Box 7016
Site Address: 6600 230th Avenue SE	City: Issaquah State: WA Zip: 98027
City: Issaquah	Phone: 425-313-2660
Phone:	Email: Karen.deal@lakesideindustries.com

III. CERTIFIED SERVICE PROVIDER(S)

Check the appropriate boxes. If more than one service provider is required for this project, fill out both sections.

Note: Individuals performing UST services MUST be ICC-certified or have passed another qualifying exam approved by the Department of Ecology.

1) ☐ Installer ☒ Decommissioner ☐ Site Assessor

Company Name: Glacier Environmental Services, Inc.	Certification Type: ICC UST Decommissioner
Service Provider Name: Thayne Wastman	Cert. No.: 8228140 Exp. Date: 8/19/24
Provider Phone: 425-355-2826	Provider Email:

2) ☐ Installer ☐ Decommissioner ☒ Site Assessor

Company Name: Farallon Consulting, L.L.C.	Certification Type: WA State Site Assessment
Service Provider Name: John Kim	Cert. No.: 10276310 Exp. Date: 1/30/25
Provider Phone: 207-217-1969	Provider Email: jkim@farallonconsulting.com

IV. TANK AND/OR PIPING INFORMATION

TANK ID	TANK CAPACITY	SUBSTANCE STORED	PIPING INSTALLATION OR REPLACEMENT ONLY (Y/N)	DATE PROJECT IS EXPECTED TO BEGIN	COMMENTS
One	12,000 gallon	Diesel fuel	N		
Two	12,000 gallon	Diesel fuel	N		
Three	5,000 gallon	Unleaded gasoline	N		

Handout 113	Construction Requirements	CITY OF ISSAQUAH WASHINGTON Development Services Department 1775 12th Ave. NW | P.O. Box 1307 Issaquah, WA 98027 425-837-3100 | *DSD@issaquahwa.gov*

Project Representative Available

The General Contractor shall have a project representative available to City Inspectors at all times. This person shall be authorized to make decisions necessary to conduct day-to-day construction activities.

Construction Hours: M-F 7:00 am to 6:00 pm except holidays.

Any work performed outside of the times noted above shall be allowed only by an approved Expanded Work Hours Permit. Requests for Expanded Work Hours must be submitted via a new application on MyBuildingPermit.com no later than WEDNESDAY, 12:00 noon, prior to the weekend requesting work. Late requests will not be considered. Requests for Saturday work will not be considered beyond the hours of 9 am to 5 pm. **NO SUNDAY WORK ALLOWED.**

Revisions to Plans

Any revisions to the plans must be submitted to the Development Services Department **ON FULL-SIZE SHEETS**. Changes must be clouded and any new sheets must be added to the sheet index. Please fill out a City of Issaquah green revision form and submit the form with the changes. Please allow reasonable timing for approval of changes. **Engineering will not be reviewed or approved out in the field**.

Plans and Permit on Site

City approved permit and drawings shall be available to the City inspector at all times during a requested inspection. Plans shall be located in a dry environment. Please do not place plans in porta-cans.

Mechanical

Projects with roof top air handling units must call for City inspection of connections both from curb-to-roof as well as unit-to-curb.

Inspection Requests

Please request all inspections on www.MyBuildingPermit.com and click on "Inspections". Requests for inspections must be submitted no later than 6:00 am.

- **Homeowners may request a two-hour window to schedule an inspection. Enter desired time frame in "Message to Inspector" box. Requested times are not guaranteed.**
- **We are unable to accommodate any calls requesting time of inspections. Check the "Today's Inspections" page for estimated arrival times.**
- Please request concrete inspections one day prior to pouring.
- All inspections shall be ready for inspection by 8 am the morning of the inspection.
- Call for all applicable inspections listed on the back of the permit form.
- Please call 425-837-3100 if you need to cancel a scheduled inspection. Cancellations may not be accepted if left on a recording. You may be assessed a re-inspection fee if inspection has not been canceled and inspector arrives at the site.

Roof and Exterior Wall

Request roof and exterior wall nailing inspection prior to covering. Failure to call for inspection prior to covering will result in areas of roof and/or wall covering being removed for inspection. For roof inspections **please provide a ladder and a safety line at time of inspection.**

These requirements are intended to address the most common issues on remodel/ti projects. For information on other issues, please contact a building inspector directly with questions regarding procedure.

FIRE PERMIT

CITY OF ISSAQUAH WASHINGTON
Community Planning & Developemnt
130 E Sunset Way
Issaquah, WA 98027

Permit Number:
FIR23-00040

SubType: FUEL STORAGE TANK

Project Name: ISSAQUAH FACILITY UST REMOVAL AND DECOMMISSIONING

Site Address: 6600 230TH AVE SE

Parcel Number: 2224069012

Applied:	5/10/2023
Issued:	8/2/2023
Expires:	8/1/2025
Valuation:	$48,736

Owner	Contractor
LAKESIDE INDUSTRIES PO BOX 7016 ISSAQUAH, WA 98027	GLACIER ENVIRONMENTAL SRVC INC 7509 212TH ST SW EDMONDS, WA 98026 (425) 355-2826

Description of Work: The project consists of permanently decommissioning by removal of one 5,000-gallon gasoline UST, two 12,000-gallon diesel fuel USTs (totaling 29,000 gallons of tank storage), associated piping, and fuel dispensers proximate to the truck wash and fueling area at the property. Following decommissioning and removal of the USTs, a licensed contractor will restore the excavation by backfilling, compacting, and resurfacing.

Required Conditions for FIR23-00040

No	Title
1	**#SPECIAL CONDITION**
2	**#SPECIAL CONDITION**
If, during the process of tank decommission, a spill or contaminated soil is discovered, the applicant shall be responsible for removal and proper disposing of contaminated soils as well as obtaining an inspection from a certified testing lab verifying removal of contaminated soils. A report of findings shall be sent to the Community Planning and Development Department for review. Contact the Department of Ecology for guidelines for proper disposal of contaminated soil.	
3	**PWE TESC COMPLIANCE SFR**
1. Discharge from the project site shall not exceed the NTU (Nephelometric Turbidity Units) limit at all times up to the 10 year/24 hour storm event. This event is defined as 3.8 inches of rainfall over a 24 hour period, as measured at the City's rain gage. Data from this rain gage is posted on the City's website. The discharge limit to a natural water body is 5 NTU over background, otherwise the limit shall be 100 NTU. Exceedance of the NTU limit is considered a violation of the permit and is subject to Stop Work and code violation penalties. 2. The City of Issaquah will measure the turbidity of any discharge at the designated monitoring points to verify compliance with the discharge limit. The Temporary Erosion and Sedimentation Control Supervisor shall be notified of discharges above 25 NTUs, so that action can be taken to keep discharges below these threshold levels. For project sites where designating a monitoring point is not feasible (such as flat sites), the monitoring locations will be at the discretion of the City of Issaquah. 3. Monitoring points shall be readily accessible to the City of Issaquah at all times for all phases of construction. 4. Failure to provide and maintain approved Temporary Erosion and Sedimentation Control facilities at construction sites is considered a violation of the permit and is subject to Stop Work and code violation penalties. 5. Any discharge to a stream, lake, or wetland shall not exceed water quality standards per Washington Administrative Code (WAC) 173-201A. Failure to meet WAC 173-201A is considered a violation of the permit and is subject to Stop Work and code violation penalties.	

4	CPD ENGINEERING - CONDITIONS 1

1. JOB START Contractor shall notify CPD Inspector of the Job start 24 hours prior to start of work. Contractor shall also notify the City of job completion for final sign off. Inspections are scheduled through mybuildingpermit.com\r\r
2. CONSTRUCTION HOURS Construction hours are from 7:00 AM to 6:00 PM, Monday through Friday, excluding holidays per IMC 16.35.010; extended work hours must be approved in writing. Inspection outside the normal working hours will be billed at an hourly rate, with a minimum of 4 hours billed.\r\r
3. TRUCK TRAFFIC Truck traffic related to the hauling of fill shall be limited to the period of 8 30am to 4 00pm Monday thru Friday except as otherwise approved by the Public Works Department.\r\r
4. EROSION SEDIMENTATION CONTROL All perimeter temporary erosion control fence and sediment traps shall be installed prior to preload material being transported to the site. Additional Erosion Sedimentation Control may be required by the site inspector depending on conditions.\r\r
5. NO PUMPING OFFSITE Pumping any water offsite is not allowed without prior approval from the Engineering Division.\r\r
6. POLLUTION CONTROL Pollution control measures shall be followed to ensure that no liquid products or contaminated water (such as runoff from concrete slurry) enters the storm drainage system or otherwise leaves the project site.\r\r
7. FILL MATERIAL All fill material must be approved by CPD Engineering prior to the start of fill delivery to the site. The soils engineer shall submit a report through MyBuildingPermit.com a report indicating if the fill material meets the specifications and does not contain any hazardous or toxic materials.\r\r
8. APPROVED PLANS A copy of the approved Permit & Plans shall be on site at all times during all construction.

5	CPD ENGINEERING - CONDITIONS 2

9. CITY OF ISSAQUAH BUSINESS LICENSE All contractors and subcontractors providing service within the City Limits of Issaquah shall obtain a City of Issaquah Business License.\r\r
10. WORK SUSPEND OR ABANDONMENT This permit shall become null and void if the work authorized by such permit is not commenced within 180 days from the date of this permit or if the work authorized by this permit is suspended or abandoned at any time after the work is commenced for a period of 180 days.\r\r
11. INCORRECT INFORMATION SUPPLIED The permit authority may suspend or revoke this permit if issued in error or on the basis of incorrect information supplied or in violation of ordinance of regulation or any of the provisions of this permit.\r\r
12. Contractor to supply proposed Haul Route to the Engineering Division prior to on-site Temporary Erosion and Sedimentation Control inspection.
13. All construction shall be in accordance with the City of Issaquah. It shall be the sole responsibility of the applicant and the professional engineer to correct any error, omission, or variation from the approved construction or conditions of approval. All corrections shall be at no additional cost or liability to the City of Issaquah.
14. All construction shall be in accordance with the City of Issaquah. It shall be the sole responsibility of the applicant and the professional engineer to correct any error, omission, or variation from the approved construction or conditions of approval. All corrections shall be at no additional cost or liability to the City of Issaquah.

6	BLD TANK REMOVAL-COMM

1. A State Certified site assessor to be on location during tank removal.
2. Assessor to submit a report on conditions found at the site, referencing DOE guidelines for clean-up and shall provide a summary of results and a copy of any and all reports sent to DOE.
3. Owner shall submit a letter of certification for DOE if the site was found to be contaminated and subsequently cleaned up.
4. Please call for fire department inspection 24 hours prior to tank removal at 425-313-3310. LEL must be 0% or one pound dry ice per 50 gallons tank capacity must be inserted into tank to insure the tank atmosphere is inert prior to use of heavy equipment. Fire inspection at time of tank removal required.

7	#SPECIAL CONDITION

1. Two (2) portable fire extinguishers each having a minimum rating of 40 BC shall be on site within 50 feet of the operation. Fire extinguishers shall be inspected, approved and certified annually.
2. Rope or ribbon barricades located at least 10 feet from the tank shall surround every outdoor storage tank removal or decommissioning operation or the operation shall be enclosed in a fenced yard.
3. "No Smoking" signs shall be posted in readily visible locations.
4. No hot work is allowed on a tank system prior to issuance of this permit and the tank is certified “Safe for Hot Work” by a Certified Marine Chemist. Hot work means any activities involving riveting, welding, burning, brazing, soldering, heating, chopping, grinding, ripping, drilling, cutting with a chop saw or “Sawzall”, abrasive blasting, use of powder-actuated tools or similar spark-producing operations, crushing or mechanically shearing to facilitate opening for cleaning, disposal, scrapping for recycling purposes.
5. No excavation of an underground tank is permitted prior to inspection.
Exception: Removal of the top layer of asphalt or concrete only with no removal of dirt, pea gravel or soil over the underground storage tank. Further excavation may be allowed if the tank has been inerted by a Marine Chemist.
6. Prior to inspection, to ensure tanks and connected piping are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tanks have been pumped and rinsed by an approved company. Product and rinse water must be disposed of in an approved manner.
7. For tanks being decommissioned in place that previously contained Class I liquids, a Certified Marine Chemist certificate must be issued and available on site for inspection certifying that the tank has been properly inerted prior to filling.
8. No tank shall be filled prior to an inspection.
9. Tanks being decommissioned in place must be filled with a lean concrete mixture.

8	#SPECIAL CONDITION

10. If tanks are being removed, the tanks' atmosphere must be inert using one of the following approved methods: • Dry ice (pellets or chunks of solid CO2). Minimum 40 lbs per 1000 gallons of tank capacity is recommended. • Compressed CO2 gas in cylinders (Note: This method may only be performed by a Certified Marine Chemist). • Purging with air (gas-freeing) using Venturi tube apparatus, with proper bonding and grounding and after the tank has been pumped and rinsed by an approved company. 11. A maximum reading of less than 6% of oxygen must be obtained prior to the removal of the tanks if CO2 or another inert gas, as approved by the Marine Chemist, is used to inert the tank or, a reading of 0% LEL must be obtained prior to removal of the tank if the air-purging (Venturi air moving devices) method is used. 12. All local, state and federal regulations for confined space entry shall be complied with prior to entering an underground storage tank. 13. Tanks with baffles to prevent movement of liquid must be certified gas-freed or inerted by a Certified Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal. 14. Tanks being removed must be removed from the site and relocated to a remote.

9	PRE CONSTRUCTION MEETING

PRIOR TO CONSTRUCTION, applicant must schedule a pre-construction meeting by contacting Issaquah Permit Center, Eric Saalfeld, 425-837-3100.

FIR23-00040 Details

Project Details

Project Name: Issaquah Facility UST Removal and Decommissioning

Address: 6600 230TH AVE SE
ISSAQUAH, 98029

Jurisdiction: ISSAQUAH

Status: Finaled

Date Submitted: 5/10/2023

Contacts

Project Contact
Kyler Danielson
(425) 313-2602 (tel:(425) 313-2602)
kyler.danielson@lakesideindustries.com (mailto:kyler.danielson@lakesideindustries.com) Edit

Contractor
GLACIER ENVIRONMENTAL SRVC INC
Lauren Golembiewski
425-355-2826 (tel:425-355-2826)
lmiles@glacierenviro.com (mailto:lmiles@glacierenviro.com)

Add a Contractor (/PermitAction/AddContractor?applicationId=1312874)

Delegates

Karen Deal
Lakeside Industries, Inc.
4258645081 (tel:4258645081)
karen.deal@lakesideindustries.com (mailto:karen.deal@lakesideindustries.com)

Karen Deal
Lakeside Industries, Inc.

4253132660 (tel:4253132660)
karen.deal@lakesideindustries.com (mailto:karen.deal@lakesideindustries.com)

Application Details

App ID:	1312874
App. Type:	Fire
Project Type:	Any Project Type
Activity Type:	Alteration
Scope of Work:	Storage Tanks

Cancel Application (/PermitAction/Cancel?applicationId=1312874)

Invoices

Files & Documents

Reviews & Activities

Inspections

Export to Excel ()

Today's Inspections (https://inspection.mybuildingpermit.com/TodaysInspections?Jurisdiction=ISSAQUAH)

Inspection	Date	Sta...	Staff	Notes	Documents
JOB START	08/21...	Pass		Performed informal pr...	
TESC INITIAL INSP	08/21...	Pass			
SITE INSPECTION	08/22...	Pass		Excavation for the vau...	
TESC INSPECTION	08/22...	Pass			
SPECIALIZED INSP	08/22...	Pass			
**FINAL INSPECTION	08/22...	Pass			

Total: 6 records

New inspections may not be immediately available.

Information may not be available for up to 24 hours.

PROD v:5.1.0.12

ICC INTERNATIONAL CODE COUNCIL®

INTERNATIONAL CODE COUNCIL

STEPHEN STELLFLUG

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

UST Decommissioning

Given this day August 11, 2023

Certificate No. 8189261

Michael Wich, CBO
President, Board of Directors

Dominic Sims, CBO
Chief Executive Officer

INTERNATIONAL CODE COUNCIL, INC. CERTIFIED

This certificate is the property of ICC and must be returned to ICC in the event of suspension or revocation of the certificate.

SOUND TESTING, INC.
P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848
WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE
SERIAL Nº 48162

Survey Requested by	Vessel Owner or Agent	Date
Glacier Environmental Services	Glacier Enviro.	08/22/23
Vessel	**Type of Vessel**	**Specific Location of Vessel**
3x USTs	USTs	6600 230th Ave SE, Issaquah
Last Three (3) Loadings	**Tests Performed**	**Time Survey Completed**
Gasoline (3x) Diesel (3x)	O2, LEL, CO, H2S, VOC, Visual	0945

1x 5K Gal Gasoline UST
2x 12K Gal Diesel USTs
} Inerted - w/ CO_2
Not Safe for Workers
Not Safe for Hotwork
< 5% O_2.

Notes - May Excavate USTs.
May Transport USTs.
Maintain UST openings closed/plugged to preserve inert status.

Inst Cal 08/22/23
BW Micro 5 PID passed

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

Signed [signature] Glacier Enviro 08/22/23
Name Company Date

This Certificate is based on conditions existing at the time the inspection hereon set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed [signature] 708
Marine Chemist Certificate No.

POSTING

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

TANK DISPOSAL CERTIFICATE

DATE: September 20, 2023

CUSTOMER: Glacier Environmental Services Inc.

OWNER: Lakeside Industries

Tank Sizes: 1-5,000 gallons gasoline 2-12K Diesel

Last product: Diesel Fuel

DATE DESTRUCTED: 8/25/2023

Marine Vacuum Service Inc. certifies that the above-mentioned tank has been cleaned and disposed of by metal reclaiming in accordance with federal, state and local regulations by Marine Vacuum Service Inc.

Marine Vacuum Service Inc. Representative

Tom Myler
Vice President

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 23055

Carrier No. _____

Page 1 of 4

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

Date Aug 21 2023

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper Glacier Env
Street 6600 230th Ave SE
City Issaquah State WA Zip Code
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924 Contract MIS3627926

Route

Vehicle Number 021

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel, Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III	1,800	gallons		
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT				
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				
		23-026				

PLACARDS TENDERED: YES ☒ **NO** ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Glacier Env	CARRIER Mar Vac
PER [signature]	PER [signature]
	DATE Aug 21 2023

Permanent post-office address of shipper.

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 23056

Carrier No. _____

Page 1 of 4

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

Date Aug 21 2023

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper Glacier Env
Street 6600 230th Ave Se
City Issaquah State Wa Zip Code
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924 Contract MIS3627926

Route

Vehicle Number 025

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel, Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II	750	gallons		
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT				
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				
		23-016				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

1274350

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Glacier Env	CARRIER Mar Vac
PER [signature]	PER Ham Chip
	DATE Aug 21 2023

Permanent post-office address of shipper.

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

23-016

AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: 12,000 gallons

Last Contents Diesel # 1

Tank Location: 6600 230 Ave Se

Issaquah, WA

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are **NOT GAS FREE** or **NOT SAFE FOR HOT WORK**

Tank Owner: Lake side

Contractor: Glacier Environmental
23-016

M.V.S. Representative: Nate Cholg

Date: Aug 21 2023

Notes:

Marine Vacuum Service, Inc.
GENERAL CONTRACTOR
CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124
Telephone (206) 762-0240
FAX (206) 763-8084
1-800-540-7491

23-016

AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: 12,000 gallons

Last Contents Diesel #2

Tank Location: 6600 220th AVE SE
Issaquah, WA

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are **NOT GAS FREE** or **NOT SAFE FOR HOT WORK**

Tank Owner: Lakeside

Contractor: Glacier Environmental

M.V.S. Representative: Steve

Date: Aug 21 2023

Notes:

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

23-016

AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: 5,000 gallons

Last Contents Gasoline

Tank Location: 6600 230th Ave Se

Issaquah, WA

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are **NOT GAS FREE** or **NOT SAFE FOR HOT WORK**

Tank Owner: Lakeside

Contractor: Glacier Enviromental

M.V.S. Representative: Ita Clay

Date: Aug 21 2023

Notes:

BILL OF LADING

Nº **25226**

PRODUCT TRANSPORT MANIFEST

MARINE VACUUM SERVICE, INC.

24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240

FAX NUMBER 206-763-8084

23-016

TRUCK NUMBER 001 DATE 8/23/23

TO
DESTINATION
NAME MAR VAC
STREET 1516 S GRAHAM
CITY/STATE SEA WA 98108

FROM
SHIPPER
NAME LAKESIDE (GLACIER ENVIRO
STREET
CITY/STATE ISSAQUA WA.

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
1	12K UST FOR DISPOSAL	23-016
	SLUDGE	

RECEIVER DATE SHIPPER DATE

NOTE: TANK IS WASHED & SAFE 4 TRANSPORT

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

BILL OF LADING

Nº **25232**

PRODUCT TRANSPORT MANIFEST

MARINE VACUUM SERVICE, INC.

24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240

FAX NUMBER 206-763-8084

23-016

TRUCK NUMBER 534 DATE 8-23-23

TO
DESTINATION
NAME Mar Vac
STREET 1516 S Graham St
CITY/STATE Seattle, WA

FROM
SHIPPER
NAME Glacier Environment
STREET 6600 230th Ave SE
CITY/STATE Issaquah, WA

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
3	Fuel Dispensers - Non Reg By Dot	
	Inert	
	SLUDGE	

RECEIVER DATE 8-23-23 SHIPPER DATE 8-23-23

NOTE:

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource

Mark - MarVac
253-331-5913

BILL OF LADING
PRODUCT TRANSPORT MANIFEST

N° 25234

MARINE VACUUM SERVICE, INC.
24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240
FAX NUMBER 206-763-8084

23-016

TRUCK NUMBER 305 DATE 8-23-23

TO
DESTINATION
NAME MarVac
STREET 1511 S Graham ST
CITY/STATE Seattle, WA

FROM
SHIPPER
NAME Glacier Environmental
STREET 6600 230th Ave SE
CITY/STATE Issaquah

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
1 X	6k ust tank - Non Reg By DOT	

SLUDGE

RECEIVER [signature] DATE 8-23-23 SHIPPER X DATE 8-23-23

NOTE: Inerted

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

BILL OF LADING
PRODUCT TRANSPORT MANIFEST

N° 25243

MARINE VACUUM SERVICE, INC.
24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240
FAX NUMBER 206-763-8084

23-016

TRUCK NUMBER _____ DATE 8/24/23

TO
DESTINATION
NAME MAR VAC
STREET 1516 S GRAHAM
CITY/STATE SEA WA

FROM
SHIPPER
NAME LAKESIDE INDUSTRIES
STREET ISSAQUA
CITY/STATE WA.

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
1	12K UST FOR DISPOSAL	

SLUDGE

RECEIVER [signature] DATE SHIPPER X [signature] DATE 8.24.23

NOTE: TANK IS CLEANNED & SAFE 4 TRANSPORT

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 187297

Customer Name LAKESIDE INDUSTRIES INC LAKES
Ticket Date 09/11/2023
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 520015/52-001/79/118334WA

Carrier SELF HAULER *
Vehicle# 20214
Container
Driver ANDY FREEMAN
Check#
Billing# 0000268
Grid

Volume

	Time	Scale	Operator	Inbound
In	09/11/2023 07:24:19	SCALE 1	galtheim	
Out	09/11/2023 07:30:10	SCALE 1	galtheim	

Gross	79920 lb
Tare	32280 lb
Net	47640 lb
Tons	23.82

Comments LAKESIDE-GA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.82	Tons				
2	ENERGY-Energy Surcharge	100		%				
3	GONDOLA T-GONDOLA TON	100	23.82	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 187300

Customer Name LAKESIDE INDUSTRIES INC LAKES
Ticket Date 09/11/2023
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 520015/52-001/79/118334WA

Carrier SELF HAULER *
Vehicle# 20214
Container
Driver ANDY FREEMAN
Check#
Billing# 0000268
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/11/2023 08:51:32	SCALE 1	galtheim		Gross	84840 lb
Out	09/11/2023 08:51:32		galtheim		Tare	32280 lb
					Net	52560 lb
					Tons	26.28

Comments LK-GA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.28	Tons				
2	ENERGY-Energy Surcharge	100		%				
3	GONDOLA T-GONDOLA TON	100	26.28	Tons				

Total Tax
Total Ticket

Driver`s Signature

ERTS Incident #725297

Environmental Report Tracking - *Generated 9/29/2023, 1:22 PM*

Primary Initial Report - Reported: 09/07/23 11:43

Reference ID - 215893

Where did it happen?

Location name: Lakeside Industries Issaquah Facility
Physical address: 6600 230th Ave SE
Issaquah WA 98027
US
County: King
Ecology region: NWRO
Lat, long: 47.54143 , -122.03231
Directions/Landmarks:

What happened?

Incident date: 08/30/23 12:00
Activity: Construction
Cause:
Medium: Ground - Soil
Source: Tank - Underground storage tank (UST)
Substance: Oil - Gasoline
Substance amount:

Who might be responsible?

Name:
Organization:
Email:
Phone number(s):
Mailing address:

How was it reported?

Intake type: Website form
Reported date: 09/07/23 11:43
Entered by: Kelli Price
Entered at: 09/07/23 11:58

Who reported it?

Do they want this to be confidential? No

Reporter type:
Consultant
Name:
Greg Peters
Organization:
Farallon Consulting
Email:
gpeters@farallonconsulting.com
Phone number(s):
(425) 677-9521
(573) 469-1556
Mailing address:
975 5th Avenue NW
Issaquah WA 98027
US
Are they anonymous? No
Are they self-reporting? No
External reference number:

Comments/notes

Release detected during UST decommissioning activities.

Incident details

Life cycle status: Follow-up assigned
Incident Date: 08/30/23 12:00
Was it self-reported?: No
Show to public?: No

Program owners

Kelli Price **(Primary)**
NWRO - External
Comments:

Location

Location name: Lakeside Industries Issaquah Facility
Physical Address: 6600 230th Ave SE
Issaquah WA 98027
US
County: King
Lat, long: 47.54143 , -122.03231

Who might be responsible?

Name:
Organization:

Donna Kirkman (Primary)
NWRO - Toxics Cleanup
Comments:

Molly Bocian (Primary)
NWRO - Water Quality
Comments:

Email:
Phone number(s):
Mailing address:

Follow-ups

Program: Toxics Cleanup - Subject: Underground Storage Tank (UST) - Commercial
Reference ID - 224863

What happened?

Primary activity

Activity:
Construction

Primary detail

Medium:
Ground - Soil
Source:
Tank - Underground storage tank (UST)
Substance:
Oil - Gasoline
Substance amount:

Action history

Status	Action	Date
Accepted	Follow-up ownership accepted	09/08/2023 07:02:02
Started	Follow-up owner assigned	09/08/2023 06:58:35

Follow-up owners

Status	Organization	First name	Last name	Is external?	Email	Phone number	Comments
Accepted	WA Ecology	Steven	Jarrett	N	SJAR461@ecy.wa.gov	(564) 669-3818	

Program: Water Quality - Subject: Gravel Pits/Mining Sites/Rock Quarries
Reference ID - 224833

What happened?

Primary activity

Activity:
Construction

Primary detail

Medium:
Ground - Soil
Source:

Action history

Status	Action	Date
In progress	Requested information	09/13/2023 13:40:19
Accepted	Follow-up ownership accepted	09/07/2023 12:58:51
Started	Follow-up owner assigned	09/07/2023 12:52:55

Facility - Gravel pit
Substance:
Substance amount:

Comments

Comment about update *09/13/2023 13:40:19*

Created By: Jay Fennell

Phone call with reporting party G. Peters do discuss LUST response actions. Peters stated that LUST manager S. Jarrett was onsite while tanks were decommissioned. The site has since been backfilled and closed out but a response report is pending submittal to Ecology.

I requested that the report also be sent to me once finished. I will conclude follow-up upon review of the review of the report if no further action from the permittees is required.

Follow-up owners

Status	Organization	First name	Last name	Is external?	Email	Phone number	Comments
Accepted	WA Ecology	Jay	Fennell	N	jfen461@ecy.wa.gov	(425) 240-4234	

Incident attachments

Contact Ecology if you would like a copy of any of these attachments

File name	File description	Section/Reference ID	Date uploaded
Report of an environmental issue in King county.msg	Webform submission	Initial report - 215893	09/07/2023

ATTACHMENT C
LABORATORY ANALYTICAL REPORTS

UNDERGROUND STORAGE TANK SITE ASSESSMENT REPORT
Issaquah Facility
6600 230th Avenue Southeast
Issaquah, Washington

FARALLON PN: 525-039

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

August 30, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Ms Snyder:

Included are the results from the testing of material submitted on August 23, 2023 from the 525-039 Issaquah Facility, F&BI 308375 project. There are 21 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0830R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 23, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC 525-039 Issaquah Facility, F&BI 308375 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
308375 -01	EX01-BOT3-13.0
308375 -02	DISP01-0.5
308375 -03	DISP01-1.0
308375 -04	DISP02-0.5
308375 -05	DISP03-0.5

An 8270E internal standard failed the acceptance criteria for sample DISP02-0.5. The sample was diluted and reanalyzed with acceptable results. Both data sets were reported.

All other quality control requirements were acceptable.

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375
Date Extracted: 08/24/23
Date Analyzed: 08/24/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX01-BOT3-13.0 308375-01	<5	115
DISP01-0.5 308375-02	120	109
DISP01-1.0 308375-03	<5	114
DISP02-0.5 308375-04	<5	96
DISP03-0.5 308375-05	<5	103
Method Blank 03-1655 MB	<5	107

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375
Date Extracted: 08/24/23
Date Analyzed: 08/24/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
EX01-BOT3-13.0 308375-01	<50	<250	85
DISP01-0.5 308375-02	2,400	<250	94
DISP01-1.0 308375-03	<50	<250	82
DISP02-0.5 308375-04	6,400	610 x	101
DISP03-0.5 308375-05	<50	<250	81
Method Blank 03-2029 MB	<50	<250	82

Analysis For Total Metals By EPA Method 6020B

Client ID:	DISP01-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/25/23	Lab ID:	308375-02
Date Analyzed:	08/25/23	Data File:	308375-02.040
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	2.82

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	525-039 Issaquah Facility
Date Extracted:	08/25/23	Lab ID:	I3-665 mb2
Date Analyzed:	08/25/23	Data File:	I3-665 mb2.039
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT3-13.0	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/24/23	Lab ID:	308375-01 1/0.5
Date Analyzed:	08/24/23	Data File:	082406.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	79	128
Toluene-d8	99	84	121
4-Bromofluorobenzene	96	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	0.0025
Toluene	0.0083
Ethylbenzene	<0.001
m,p-Xylene	0.0022
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP01-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/24/23	Lab ID:	308375-02 1/0.5
Date Analyzed:	08/24/23	Data File:	082409.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	98	84	116

Compounds:	Concentration mg/kg (ppm)
Hexane	<0.25
Methyl t-butyl ether (MTBE)	<0.002
1,2-Dichloroethane (EDC)	<0.002
Benzene	<0.001
Toluene	0.0025
1,2-Dibromoethane (EDB)	<0.005
Ethylbenzene	0.0035
m,p-Xylene	0.023
o-Xylene	0.014
Naphthalene	0.048

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP01-1.0	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/24/23	Lab ID:	308375-03 1/0.5
Date Analyzed:	08/24/23	Data File:	082407.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0048
Ethylbenzene	0.0016
m,p-Xylene	0.010
o-Xylene	0.0054

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP02-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/24/23	Lab ID:	308375-04 1/0.5
Date Analyzed:	08/24/23	Data File:	082410.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	96	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	0.0010

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP03-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/24/23	Lab ID:	308375-05 1/0.5
Date Analyzed:	08/24/23	Data File:	082408.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	102	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0021
Ethylbenzene	<0.001
m,p-Xylene	0.0031
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	525-039 Issaquah Facility
Date Extracted:	08/24/23	Lab ID:	03-1956 mb 1/0.5
Date Analyzed:	08/24/23	Data File:	082408.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	106	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	DISP01-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/25/23	Lab ID:	308375-02 1/5
Date Analyzed:	08/25/23	Data File:	082519.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	74	10	198
Terphenyl-d14	100	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.041
2-Methylnaphthalene	0.34
1-Methylnaphthalene	0.20
Benz(a)anthracene	<0.01
Chrysene	0.029
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	DISP02-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/25/23	Lab ID:	308375-04 1/5
Date Analyzed:	08/25/23	Data File:	082520.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	71	10	198
Terphenyl-d14	101	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.013
2-Methylnaphthalene	0.16
1-Methylnaphthalene	0.11
Benz(a)anthracene	<0.01
Chrysene	0.038
Benzo(a)pyrene	<0.01 J
Benzo(b)fluoranthene	<0.01 J
Benzo(k)fluoranthene	<0.01 J
Indeno(1,2,3-cd)pyrene	<0.01 J
Dibenz(a,h)anthracene	<0.01 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	DISP02-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/23/23	Project:	525-039 Issaquah Facility
Date Extracted:	08/25/23	Lab ID:	308375-04 1/250
Date Analyzed:	08/25/23	Data File:	082531.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	65 d	10	198
Terphenyl-d14	90 d	50	124

Compounds:	Concentration mg/kg (ppm)
Benzo(a)pyrene	<0.5
Benzo(b)fluoranthene	<0.5
Benzo(k)fluoranthene	<0.5
Indeno(1,2,3-cd)pyrene	<0.5
Dibenz(a,h)anthracene	<0.5

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	525-039 Issaquah Facility
Date Extracted:	08/25/23	Lab ID:	03-2027 mb2 1/5
Date Analyzed:	08/25/23	Data File:	082518.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
Terphenyl-d14	104	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 308331-03 Matrix Spike

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	mg/kg (ppm)	40	<5	100	95	50-150	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	102	70-130

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 308375-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	2,400	94	114	63-146	19

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	77-123

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 308347-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	4.69	90	87	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	93	80-120

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 308351-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	96	95	29-129	1
Toluene	mg/kg (ppm)	2	<0.05	94	93	35-130	1
Ethylbenzene	mg/kg (ppm)	2	<0.05	92	89	32-137	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	90	91	34-136	1
o-Xylene	mg/kg (ppm)	2	<0.05	87	87	33-134	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	103	65-136
Toluene	mg/kg (ppm)	2	96	66-126
Ethylbenzene	mg/kg (ppm)	2	96	64-123
m,p-Xylene	mg/kg (ppm)	4	94	68-128
o-Xylene	mg/kg (ppm)	2	92	67-129

Date of Report: 08/30/23
Date Received: 08/23/23
Project: 525-039 Issaquah Facility, F&BI 308375

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 308323-05 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	69	73	28-125	6
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	84	92	10-192	9
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	86	92	10-163	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	92	97	50-150	5
Chrysene	mg/kg (ppm)	0.83	<0.01	93	101	50-150	8
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	83	91	50-150	9
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	74	81	50-150	9
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	76	83	50-150	9
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	100	104	40-140	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	102	108	41-136	6

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	87	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	107	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	104	63-113
Benz(a)anthracene	mg/kg (ppm)	0.83	103	70-130
Chrysene	mg/kg (ppm)	0.83	113	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	95	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	85	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	89	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	104	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	106	67-128

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

308375

SAMPLE CHAIN OF CUSTODY

08/23/23 VSDI / N2, Page # 1 of 1

Report To S. SNYDER

Company FARALLON

Address

City, State, ZIP

Phone Email snyder@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME ISSAQUAH FACILITY 525-039

PO # 525-039

REMARKS

Project specific RLs? - Yes / No

INVOICE TO A.P.

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH ~~SAME DAY~~ NEXT DAY
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA ~~8021~~ 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Gas Target VOCs	cPAHs and naphthalenes	Lead		Notes
EX01-B03-13.0	01 A-F	8-23-23	0847	SOIL	6	X	X	X									8260 BTEX pcr JK 08/24/23 ME
DISP01-0.5	02		1310		6								A	A	A		A-24 hr TAT per SS 08/24/23 ME
DISP01-1.0	03		1303		6												
DISP02-0.5	04		1306		6									A			
DISP03-0.5	05		1305		6												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	8-23-23	1743
Received by:	JOE MOHAMMED	FBI	8/23/23	1743
Relinquished by:	Samples received at 2 °C			
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
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(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

August 31, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Ms Snyder:

Included are the results from the testing of material submitted on August 24, 2023 from the Issaquah Facility 525-039, F&BI 308390 project. There are 29 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0831R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 24, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Issaquah Facility 525-039, F&BI 308390 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
308390 -01	EX01-WSW-5.0
308390 -02	EX01-NSW-8.0
308390 -03	EX01-BOT2-13.0
308390 -04	EX01-ESW-8.0
308390 -05	EX01-ESW1-8.0
308390 -06	EX01-SSW-8.0
308390 -07	EX01-BOT1-13.0
308390 -08	EX01-BOT2-13.5
308390 -09	EX01-WSW-8.0
308390 -10	EX01-WSW1-8.0
308390 -11	EX01-WSW2-8.0

All quality control requirements were acceptable.

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390
Date Extracted: 08/24/23
Date Analyzed: 08/24/23 and 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX01-WSW-5.0 308390-01 1/10	4,300	ip
EX01-NSW-8.0 308390-02	<5	98
EX01-BOT2-13.0 308390-03	<5	101
EX01-ESW-8.0 308390-04	<5	99
EX01-ESW1-8.0 308390-05	<5	96
EX01-SSW-8.0 308390-06	<5	99
EX01-BOT1-13.0 308390-07	<5	96
EX01-BOT2-13.5 308390-08	<5	95
EX01-WSW-8.0 308390-09	<5	99
EX01-WSW1-8.0 308390-10	<5	98

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390
Date Extracted: 08/24/23
Date Analyzed: 08/24/23 and 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX01-WSW2-8.0 308390-11	<5	99
Method Blank 03-1657 MB	<5	97

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390
Date Extracted: 08/24/23
Date Analyzed: 08/24/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
EX01-WSW-5.0 308390-01	26,000	1,900 x	ip
EX01-NSW-8.0 308390-02	<50	<250	107
EX01-BOT2-13.0 308390-03	<50	<250	107
EX01-ESW-8.0 308390-04	<50	<250	106
EX01-ESW1-8.0 308390-05	<50	<250	108
EX01-SSW-8.0 308390-06	<50	<250	107
EX01-BOT1-13.0 308390-07	<50	<250	114
EX01-BOT2-13.5 308390-08	<50	<250	109
EX01-WSW-8.0 308390-09	<50	<250	107
EX01-WSW1-8.0 308390-10	<50	<250	112
EX01-WSW2-8.0 308390-11	<50	<250	108
Method Blank 03-2033 MB	<50	<250	107

Analysis For Total Metals By EPA Method 6020B

Client ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01
Date Analyzed:	08/25/23	Data File:	308390-01.089
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	2.39

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	I3-665 mb2
Date Analyzed:	08/25/23	Data File:	I3-665 mb2.039
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01
Date Analyzed:	08/25/23	Data File:	082515.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	84	120
Toluene-d8	126	73	128
4-Bromofluorobenzene	88	57	146

Compounds:	Concentration mg/kg (ppm)
Hexane	1.5
Methyl t-butyl ether (MTBE)	<0.05
1,2-Dichloroethane (EDC)	<0.05
Benzene	0.58
Toluene	7.3
1,2-Dibromoethane (EDB)	<0.05
Ethylbenzene	4.4
m,p-Xylene	19
o-Xylene	7.8
Naphthalene	2.3

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-NSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-02 1/0.5
Date Analyzed:	08/24/23	Data File:	082431.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	84	120
Toluene-d8	89	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	0.013
Toluene	0.097
Ethylbenzene	0.0082
m,p-Xylene	0.025
o-Xylene	0.0079

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT2-13.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-03 1/0.5
Date Analyzed:	08/24/23	Data File:	082432.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	0.042
Toluene	0.25
Ethylbenzene	0.020
m,p-Xylene	0.069
o-Xylene	0.018

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-ESW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-04 1/0.5
Date Analyzed:	08/24/23	Data File:	082433.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0015
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-ESW1-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-05 1/0.5
Date Analyzed:	08/24/23	Data File:	082434.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-SSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-06 1/0.5
Date Analyzed:	08/25/23	Data File:	082509.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT1-13.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-07 1/0.5
Date Analyzed:	08/25/23	Data File:	082510.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT2-13.5	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-08 1/0.5
Date Analyzed:	08/25/23	Data File:	082511.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	0.0065
Toluene	0.026
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-WSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/24/23	Lab ID:	308390-09 1/0.5
Date Analyzed:	08/25/23	Data File:	082514.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0014
Ethylbenzene	<0.001
m,p-Xylene	0.0039
o-Xylene	0.0017

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-WSW1-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-10 1/0.5
Date Analyzed:	08/25/23	Data File:	082512.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-WSW2-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-11 1/0.5
Date Analyzed:	08/25/23	Data File:	082513.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0011
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/24/23	Lab ID:	03-1960 mb 1/0.5
Date Analyzed:	08/24/23	Data File:	082430.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	103	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Hexane	<0.25
Methyl t-butyl ether (MTBE)	<0.002
1,2-Dichloroethane (EDC)	<0.002
Benzene	<0.001
Toluene	<0.001
1,2-Dibromoethane (EDB)	<0.005
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001
Naphthalene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01 1/5
Date Analyzed:	08/25/23	Data File:	082531.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	181 ip	16	137
Terphenyl-d14	131	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	4.2
Benz(a)anthracene	0.020
Chrysene	0.16
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	0.014
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01 1/500
Date Analyzed:	08/28/23	Data File:	082809.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	150 d	16	137
Terphenyl-d14	80 d	31	167

Compounds:	Concentration mg/kg (ppm)
2-Methylnaphthalene	20
1-Methylnaphthalene	12

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX01-NSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/28/23	Lab ID:	308390-02 1/5
Date Analyzed:	08/28/23	Data File:	082811.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	80	16	137
Terphenyl-d14	90	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/28/23	Lab ID:	03-2039 mb 1/5
Date Analyzed:	08/28/23	Data File:	082810.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	100	16	137
Terphenyl-d14	106	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	03-2027 mb2 1/5
Date Analyzed:	08/25/23	Data File:	082518.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
Terphenyl-d14	104	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 308389-03 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	112	70-130

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 308390-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	23,000	180 b	140 b	53-141	25 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	88	71-126

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 308347-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	4.69	90	87	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	93	80-120

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 308390-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Hexane	mg/kg (ppm)	2	<0.25	93	89	10-137	4
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	<0.05	91	91	21-145	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	<0.05	105	106	12-160	1
Benzene	mg/kg (ppm)	2	<0.03	97	99	29-129	2
Toluene	mg/kg (ppm)	2	<0.05	96	97	35-130	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	<0.05	91	95	28-142	4
Ethylbenzene	mg/kg (ppm)	2	<0.05	95	96	32-137	1
m,p-Xylene	mg/kg (ppm)	4	<0.1	94	95	34-136	1
o-Xylene	mg/kg (ppm)	2	<0.05	92	94	33-134	2
Naphthalene	mg/kg (ppm)	2	<0.05	99	101	14-157	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Hexane	mg/kg (ppm)	2	99	43-142
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	94	60-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	108	56-135
Benzene	mg/kg (ppm)	2	102	65-136
Toluene	mg/kg (ppm)	2	100	66-126
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	93	66-129
Ethylbenzene	mg/kg (ppm)	2	97	64-123
m,p-Xylene	mg/kg (ppm)	4	96	68-128
o-Xylene	mg/kg (ppm)	2	93	67-129
Naphthalene	mg/kg (ppm)	2	104	62-128

Date of Report: 08/31/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 308323-05 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	69	73	28-125	6
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	84	92	10-192	9
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	86	92	10-163	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	92	97	50-150	5
Chrysene	mg/kg (ppm)	0.83	<0.01	93	101	50-150	8
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	83	91	50-150	9
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	74	81	50-150	9
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	76	83	50-150	9
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	100	104	40-140	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	102	108	41-136	6

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	87	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	107	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	104	63-113
Benz(a)anthracene	mg/kg (ppm)	0.83	103	70-130
Chrysene	mg/kg (ppm)	0.83	113	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	95	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	85	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	89	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	104	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	106	67-128

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

308390 [redacted]

SAMPLE CHAIN OF CUSTODY 09/24/23 VS-04/E3/N4

Page # 1 of 2

Report To S. SNYDER

Company

Address

City, State, ZIP

Phone Email sSnyder@farallonconsulting.com

SAMPLERS (*signature*) [redacted]

PROJECT NAME: ISSAQUAH FACILITY

PO #: 525-039

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: A.P.

TURNAROUND TIME
☐ Standard turnaround
☒ RUSH SAME DAY
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D	cPAHs and naphthalenes	Gas Target VOCs	Lead	Notes
						ANALYSES REQUESTED											
EX01-WSW-5.0	01 A-F	8-24-23	0731	SOIL	6	X	X						X	A	A	A	A-Per SS 08/25/23 ME
EX01-NSW-8.0	02		0743											B			B-Naphthalenes only per SS 08/28/23 ME
EX01-BOT2-13.0	03		0755														
EX01-ESW-8.0	04		1032														
EX01-ESW1-8.0	05		1040														
EX01-SSW-8.0	06		1048														
EX01-BOT1-13.0	07		1058														
EX01-BOT2-13.5	08		1106														
EX01-WSW-8.0	09		1115														
EX01-WSW1-8.0	10	↓	1125	↓	↓	↓	↓						↓				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	8-24-23	1510
Received by:	ERIC HOWE	F.B	8/24/23	1510
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

308390 [redacted]

SAMPLE CHAIN OF CUSTODY 08/24/23 VS-D4/E3/IN4

Page # 1 of 2

Report To SEE PAGE 1

Company

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*)	[redacted]
PROJECT NAME: ISSAQUAH FACILITY	PO #: 525-039
REMARKS: Project specific RLs? - Yes / No	INVOICE TO: A.P.

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH SAME DAY
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
EX01-WSW2-8.0	11A-F	8-24-23	1145	SOIL	6	X	X						X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [redacted]	JOHN KIM	FARALLON	8-24-23	1510
Received by: [redacted]	Eric Young	EK	8/24/23	1510
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 4, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

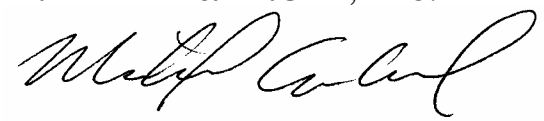
Dear Ms Snyder:

Included is the amended report from the testing of material submitted on August 24, 2023 from the Issaquah Facility 1004-039, F&BI 308390 project. The 8270E naphthalenes results for sample EX01-WSW-8.0 have been included, and the results for EX01-NSW-8.0 have been removed.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0831R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 4, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Ms Snyder:

Included are the results from the testing of material submitted on August 24, 2023 from the Issaquah Facility 1004-039, F&BI 308390 project. There are 30 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0831R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 24, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Issaquah Facility 525-039, F&BI 308390 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
308390 -01	EX01-WSW-5.0
308390 -02	EX01-NSW-8.0
308390 -03	EX01-BOT2-13.0
308390 -04	EX01-ESW-8.0
308390 -05	EX01-ESW1-8.0
308390 -06	EX01-SSW-8.0
308390 -07	EX01-BOT1-13.0
308390 -08	EX01-BOT2-13.5
308390 -09	EX01-WSW-8.0
308390 -10	EX01-WSW1-8.0
308390 -11	EX01-WSW2-8.0

All quality control requirements were acceptable.

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390
Date Extracted: 08/24/23
Date Analyzed: 08/24/23 and 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX01-WSW-5.0 308390-01 1/10	4,300	ip
EX01-NSW-8.0 308390-02	<5	98
EX01-BOT2-13.0 308390-03	<5	101
EX01-ESW-8.0 308390-04	<5	99
EX01-ESW1-8.0 308390-05	<5	96
EX01-SSW-8.0 308390-06	<5	99
EX01-BOT1-13.0 308390-07	<5	96
EX01-BOT2-13.5 308390-08	<5	95
EX01-WSW-8.0 308390-09	<5	99
EX01-WSW1-8.0 308390-10	<5	98

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390
Date Extracted: 08/24/23
Date Analyzed: 08/24/23 and 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX01-WSW2-8.0 308390-11	<5	99
Method Blank 03-1657 MB	<5	97

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390
Date Extracted: 08/24/23
Date Analyzed: 08/24/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
EX01-WSW-5.0 308390-01	26,000	1,900 x	ip
EX01-NSW-8.0 308390-02	<50	<250	107
EX01-BOT2-13.0 308390-03	<50	<250	107
EX01-ESW-8.0 308390-04	<50	<250	106
EX01-ESW1-8.0 308390-05	<50	<250	108
EX01-SSW-8.0 308390-06	<50	<250	107
EX01-BOT1-13.0 308390-07	<50	<250	114
EX01-BOT2-13.5 308390-08	<50	<250	109
EX01-WSW-8.0 308390-09	<50	<250	107
EX01-WSW1-8.0 308390-10	<50	<250	112
EX01-WSW2-8.0 308390-11	<50	<250	108
Method Blank 03-2033 MB	<50	<250	107

Analysis For Total Metals By EPA Method 6020B

Client ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01
Date Analyzed:	08/25/23	Data File:	308390-01.089
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	2.39

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	I3-665 mb2
Date Analyzed:	08/25/23	Data File:	I3-665 mb2.039
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01
Date Analyzed:	08/25/23	Data File:	082515.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	84	120
Toluene-d8	126	73	128
4-Bromofluorobenzene	88	57	146

Compounds:	Concentration mg/kg (ppm)
Hexane	1.5
Methyl t-butyl ether (MTBE)	<0.05
1,2-Dichloroethane (EDC)	<0.05
Benzene	0.58
Toluene	7.3
1,2-Dibromoethane (EDB)	<0.05
Ethylbenzene	4.4
m,p-Xylene	19
o-Xylene	7.8
Naphthalene	2.3

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-NSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-02 1/0.5
Date Analyzed:	08/24/23	Data File:	082431.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	84	120
Toluene-d8	89	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	0.013
Toluene	0.097
Ethylbenzene	0.0082
m,p-Xylene	0.025
o-Xylene	0.0079

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT2-13.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-03 1/0.5
Date Analyzed:	08/24/23	Data File:	082432.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	0.042
Toluene	0.25
Ethylbenzene	0.020
m,p-Xylene	0.069
o-Xylene	0.018

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-ESW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-04 1/0.5
Date Analyzed:	08/24/23	Data File:	082433.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0015
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-ESW1-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-05 1/0.5
Date Analyzed:	08/24/23	Data File:	082434.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-SSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-06 1/0.5
Date Analyzed:	08/25/23	Data File:	082509.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT1-13.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-07 1/0.5
Date Analyzed:	08/25/23	Data File:	082510.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-BOT2-13.5	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-08 1/0.5
Date Analyzed:	08/25/23	Data File:	082511.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	0.0065
Toluene	0.026
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-WSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/24/23	Lab ID:	308390-09 1/0.5
Date Analyzed:	08/25/23	Data File:	082514.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0014
Ethylbenzene	<0.001
m,p-Xylene	0.0039
o-Xylene	0.0017

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-WSW1-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-10 1/0.5
Date Analyzed:	08/25/23	Data File:	082512.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX01-WSW2-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-11 1/0.5
Date Analyzed:	08/25/23	Data File:	082513.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0011
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/24/23	Lab ID:	03-1960 mb 1/0.5
Date Analyzed:	08/24/23	Data File:	082430.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	103	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Hexane	<0.25
Methyl t-butyl ether (MTBE)	<0.002
1,2-Dichloroethane (EDC)	<0.002
Benzene	<0.001
Toluene	<0.001
1,2-Dibromoethane (EDB)	<0.005
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001
Naphthalene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01 1/5
Date Analyzed:	08/25/23	Data File:	082531.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	181 ip	16	137
Terphenyl-d14	131	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	4.2
Benz(a)anthracene	0.020
Chrysene	0.16
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	0.014
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX01-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308390-01 1/500
Date Analyzed:	08/28/23	Data File:	082809.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	150 d	16	137
Terphenyl-d14	80 d	31	167

Compounds:	Concentration mg/kg (ppm)
2-Methylnaphthalene	20
1-Methylnaphthalene	12

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX01-WSW-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/24/23	Project:	Issaquah Facility 525-039
Date Extracted:	10/04/23	Lab ID:	308390-09 1/5
Date Analyzed:	10/04/23 10:43	Data File:	100406.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	85	16	137

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	03-2027 mb2 1/5
Date Analyzed:	08/25/23	Data File:	082518.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
Terphenyl-d14	104	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	10/04/23	Lab ID:	03-2361 mb2 1/5
Date Analyzed:	10/04/23	Data File:	100405.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	104	16	137

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 308389-03 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	112	70-130

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 308390-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	23,000	180 b	140 b	53-141	25 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	88	71-126

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 308347-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	4.69	90	87	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	93	80-120

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 308390-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Hexane	mg/kg (ppm)	2	<0.25	93	89	10-137	4
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	<0.05	91	91	21-145	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	<0.05	105	106	12-160	1
Benzene	mg/kg (ppm)	2	<0.03	97	99	29-129	2
Toluene	mg/kg (ppm)	2	<0.05	96	97	35-130	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	<0.05	91	95	28-142	4
Ethylbenzene	mg/kg (ppm)	2	<0.05	95	96	32-137	1
m,p-Xylene	mg/kg (ppm)	4	<0.1	94	95	34-136	1
o-Xylene	mg/kg (ppm)	2	<0.05	92	94	33-134	2
Naphthalene	mg/kg (ppm)	2	<0.05	99	101	14-157	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Hexane	mg/kg (ppm)	2	99	43-142
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	94	60-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	108	56-135
Benzene	mg/kg (ppm)	2	102	65-136
Toluene	mg/kg (ppm)	2	100	66-126
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	93	66-129
Ethylbenzene	mg/kg (ppm)	2	97	64-123
m,p-Xylene	mg/kg (ppm)	4	96	68-128
o-Xylene	mg/kg (ppm)	2	93	67-129
Naphthalene	mg/kg (ppm)	2	104	62-128

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 308323-05 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	69	73	28-125	6
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	84	92	10-192	9
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	86	92	10-163	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	92	97	50-150	5
Chrysene	mg/kg (ppm)	0.83	<0.01	93	101	50-150	8
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	83	91	50-150	9
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	74	81	50-150	9
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	76	83	50-150	9
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	100	104	40-140	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	102	108	41-136	6

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	87	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	107	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	104	63-113
Benz(a)anthracene	mg/kg (ppm)	0.83	103	70-130
Chrysene	mg/kg (ppm)	0.83	113	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	95	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	85	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	89	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	104	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	106	67-128

Date of Report: 10/04/23
Date Received: 08/24/23
Project: Issaquah Facility 525-039, F&BI 308390

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 310013-01 rr 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	74	81	28-125	9
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	76	80	10-192	5
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	76	78	10-163	3

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	87	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	92	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	91	63-113

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

308390 [redacted]

SAMPLE CHAIN OF CUSTODY 09/24/23 VS-04/E3/N4

Page # 1 of 2

Report To S. SNYDER

Company

Address

City, State, ZIP

Phone Email sschyder@farallonconsulting.com

SAMPLERS (signature) [redacted]

PROJECT NAME	PO #
ISSAQUAH FACILITY	525-039
REMARKS	INVOICE TO
Project specific RLs? - Yes / No	A.P.

TURNAROUND TIME
☐ Standard turnaround
☒ RUSH SAME DAY
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D	cPAHs and naphthalenes	Gas Target VOCs	Lead	Notes
						ANALYSES REQUESTED											
EX01-WSW-5.0	01 A-F	9-24-23	0731	SOIL	6	X	X						X	A	A	A	A-Per SS 08/25/23 ME
EX01-NSW-8.0	02		0743											~~B~~			B-Naphthalenes only per SS 08/28/23 ME
EX01-BOT2-13.0	03		0755														
EX01-ESW-8.0	04		1032														WSW on -02 per SS ~~09/28/23 <E~~
EX01-ESW1-8.0	05		1040														
EX01-SSW-8.0	06		1048														B-incorrect sample originally logged in. ME 10/03/23
EX01-BOT1-13.0	07		1058														
EX01-BOT2-13.5	08		1106														
EX01-WSW-8.0	09		1115											B			
EX01-WSW1-8.0	10		1125														

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	9-24-23	1510
Received by:	ERIC HOWE	F.B	9/24/23	1510
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

308390 [redacted]

SAMPLE CHAIN OF CUSTODY 08/24/23 VS-D4/E3/IN4

Page # 1 of 2

Report To SEE PAGE 1

Company

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*)	[redacted]
PROJECT NAME: ISSAQUAH FACILITY	PO #: 525-039
REMARKS: Project specific RLs? - Yes / No	INVOICE TO: A.P.

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH SAME DAY
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
EX01-WSW2-8.0	11A-F	8-24-23	1145	SOIL	6	X	X						X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [redacted]	JOHN KIM	FARALLON	8-24-23	1510
Received by: [redacted]	Eric Young	EK	8/24/23	1510
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

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August 29, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

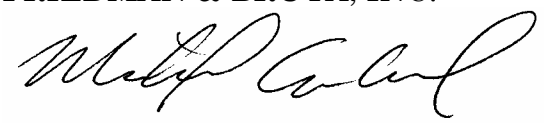
Dear Ms Snyder:

Included are the results from the testing of material submitted on August 25, 2023 from the Issaquah Facility 525-034, F&BI 308397 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0829R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 25, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Issaquah Facility 525-034, F&BI 308397 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
308397 -01	DISP02-NSW-0.5
308397 -02	UST PIPING-01-5.0
308397 -03	DISP02-ESW-0.5
308397 -04	UST PIPING-02-5.0
308397 -05	DISP02-BOT-2.0
308397 -06	DISP01-ESW-0.5
308397 -07	DISP01-NSW-0.5
308397 -08	DISP01-SSW-0.5
308397 -09	DISP01-WSW-0.5

All quality control requirements were acceptable.

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-034, F&BI 308397
Date Extracted: 08/25/23
Date Analyzed: 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
DISP02-NSW-0.5 308397-01	<5	111
UST PIPING-01-5.0 308397-02	<5	111
DISP02-ESW-0.5 308397-03	<5	117
UST PIPING-02-5.0 308397-04	<5	118
DISP02-BOT-2.0 308397-05	<5	117
DISP01-ESW-0.5 308397-06	7.5	117
DISP01-NSW-0.5 308397-07	<5	118
DISP01-SSW-0.5 308397-08	<5	118
DISP01-WSW-0.5 308397-09	<5	117
Method Blank 03-1659 MB	<5	98

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-034, F&BI 308397
Date Extracted: 08/25/23
Date Analyzed: 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
DISP02-NSW-0.5 308397-01	150	<250	96
UST PIPING-01-5.0 308397-02	<50	<250	88
DISP02-ESW-0.5 308397-03	<50	<250	89
UST PIPING-02-5.0 308397-04	<50	<250	89
DISP02-BOT-2.0 308397-05	270	<250	98
DISP01-ESW-0.5 308397-06	140	<250	96
DISP01-NSW-0.5 308397-07	62	<250	96
DISP01-SSW-0.5 308397-08	<50	<250	87
DISP01-WSW-0.5 308397-09	67	<250	91
Method Blank 03-2034 MB	<50	<250	86

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP02-NSW-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-01 1/0.5
Date Analyzed:	08/25/23	Data File:	082520.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	102	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	UST PIPING-01-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-02 1/0.5
Date Analyzed:	08/25/23	Data File:	082521.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	84	120
Toluene-d8	91	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP02-ESW-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-03 1/0.5
Date Analyzed:	08/25/23	Data File:	082522.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	84	120
Toluene-d8	90	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	UST PIPING-02-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-04 1/0.5
Date Analyzed:	08/25/23	Data File:	082538.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP02-BOT-2.0	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-05 1/0.5
Date Analyzed:	08/25/23	Data File:	082530.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP01-ESW-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-06 1/0.5
Date Analyzed:	08/25/23	Data File:	082531.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP01-NSW-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-07 1/0.5
Date Analyzed:	08/25/23	Data File:	082532.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	89	84	120
Toluene-d8	89	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP01-SSW-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-08 1/0.5
Date Analyzed:	08/25/23	Data File:	082533.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0012
Ethylbenzene	<0.001
m,p-Xylene	0.0021
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	DISP01-WSW-0.5	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	308397-09 1/0.5
Date Analyzed:	08/25/23	Data File:	082534.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-034
Date Extracted:	08/25/23	Lab ID:	03-1958 mb 1/0.5
Date Analyzed:	08/25/23	Data File:	082508.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	84	120
Toluene-d8	102	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-034, F&BI 308397

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 308398-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	112	70-130

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-034, F&BI 308397

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 308384-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	94	96	64-136	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	78-121

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-034, F&BI 308397

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 308384-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	92	95	29-129	3
Toluene	mg/kg (ppm)	2	<0.05	89	92	35-130	3
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	90	32-137	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	89	87	34-136	2
o-Xylene	mg/kg (ppm)	2	<0.05	88	87	33-134	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	101	65-136
Toluene	mg/kg (ppm)	2	99	66-126
Ethylbenzene	mg/kg (ppm)	2	97	64-123
m,p-Xylene	mg/kg (ppm)	4	98	68-128
o-Xylene	mg/kg (ppm)	2	94	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

308397

SAMPLE CHAIN OF CUSTODY

08/25/23

N3/VS-04

Page # 1 of 2

Report To S WYDER

Company

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*)

PROJECT NAME: ISSAQUAH FACILITY

PO #: 525-024

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: A.P.

TURNAROUND TIME

☐ Standard turnaround

☒ RUSH ~~SAME DAY~~ NEXT DAY

Rush charges authorized by: ML 8/28/23

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
DISP02-NSW-0.5	01 A-F	8-24-23	1717	SOIL	6	X	X						X				
USTPIPING-01-5.0	02		1600														
DISP02-ESW-0.5	03		1726														
USTPIPING-02-5.0	04		1605														
DISP02-BOT-2.0	05		1730														
~~STOCKPILE02-3~~			~~1610~~														
~~STOCKPILE02-4~~			~~1737~~														
←																	
DISP01-ESW-05	06 A-F		~~1615~~ 1620														
DISP01-NSW-0.5	07		~~1620~~ 1754														

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	8-25-23	0812
Received by:	Nhan Pham	FCBT	8/25/23	0812
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

GMS

308397

SAMPLE CHAIN OF CUSTODY

08/25/23

N3/VS-04

Page # 2 of 2

Report To SEE PG. 1

Company

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*)

PROJECT NAME: ISSAQUAH FACILITY

PO #: 525-034

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: A.P.

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH SAME DAY

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
DISP01-SSW-0.5	08 A-F	8-24-23	1630	SOIL	6	X	X						X				
DISP01-WSW-0.5	09	↓	1816	↓	↓	↓	↓						↓				

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	8-25-23	0812
Received by:	Nham Pham	FEBI	8/25/23	0812
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

August 29, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

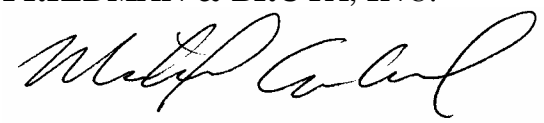
Dear Ms Snyder:

Included are the results from the testing of material submitted on August 25, 2023 from the Issaquah Facility 525-039, F&BI 308398 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0829R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 25, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Issaquah Facility 525-039, F&BI 308398 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
308398 -01	Stockpile02-3
308398 -02	Stockpile02-1
308398 -03	Stockpile02-2

All quality control requirements were acceptable.

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308398
Date Extracted: 08/25/23
Date Analyzed: 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Stockpile02-3 308398-01	<5	97
Stockpile02-1 308398-02	<5	98
Stockpile02-2 308398-03	<5	96
Method Blank 03-1659 MB	<5	98

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308398
Date Extracted: 08/25/23
Date Analyzed: 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
Stockpile02-3 308398-01	<50	<250	87
Stockpile02-1 308398-02	170	<250	88
Stockpile02-2 308398-03	<50	<250	90
Method Blank 03-2034 MB	<50	<250	86

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Stockpile02-3	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308398-01 1/0.5
Date Analyzed:	08/25/23	Data File:	082535.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	84	120
Toluene-d8	89	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0016
Ethylbenzene	<0.001
m,p-Xylene	0.0047
o-Xylene	0.0025

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Stockpile02-1	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308398-02 1/0.5
Date Analyzed:	08/25/23	Data File:	082536.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Stockpile02-2	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308398-03 1/0.5
Date Analyzed:	08/25/23	Data File:	082537.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	03-1958 mb 1/0.5
Date Analyzed:	08/25/23	Data File:	082508.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	84	120
Toluene-d8	102	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308398

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 308398-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	112	70-130

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308398

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 308384-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	94	96	64-136	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	78-121

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308398

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 308384-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	92	95	29-129	3
Toluene	mg/kg (ppm)	2	<0.05	89	92	35-130	3
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	90	32-137	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	89	87	34-136	2
o-Xylene	mg/kg (ppm)	2	<0.05	88	87	33-134	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	101	65-136
Toluene	mg/kg (ppm)	2	99	66-126
Ethylbenzene	mg/kg (ppm)	2	97	64-123
m,p-Xylene	mg/kg (ppm)	4	98	68-128
o-Xylene	mg/kg (ppm)	2	94	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

308398

SAMPLE CHAIN OF CUSTODY

08/25/23 VS-D2/E1

Page # 1 of 1

Report To S. SNYDER

Company

Address

City, State, ZIP

Phone Email sndr@frballenconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: ISSAQUAH FACILITY

PO #: 525-039

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: A.P.

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH SAME DAY
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
STOCKPILE02-3	01 A-F	8-24-23	1610	SOIL	6	X	X						X				
STOCKPILE02-1	02	↓	1737	↓	↓	↓	↓						↓				
STOCKPILE02-2	03	↓	1615	↓	↓	↓	↓						↓				

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	8-25-23	0812
Received by:	Nhan Phan	FCB.T	8/25/23	0812
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

August 29, 2023

Sarah Snyder, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

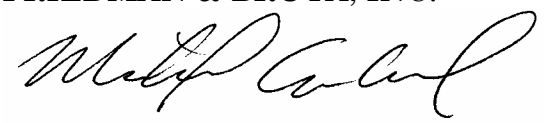
Dear Ms Snyder:

Included are the results from the testing of material submitted on August 25, 2023 from the Issaquah Facility 525-039, F&BI 308407 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Greg Peters
FLN0829R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 25, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Issaquah Facility 525-039, F&BI 308407 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
308407 -01	EX02-WSW-5.0
308407 -02	EX02-NSW-5.0
308407 -03	EX02-SSW-5.0

All quality control requirements were acceptable.

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308407
Date Extracted: 08/25/23
Date Analyzed: 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX02-WSW-5.0 308407-01	<5	117
EX02-NSW-5.0 308407-02	<5	119
EX02-SSW-5.0 308407-03	<5	120
Method Blank 03-1656 MB	<5	98

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308407
Date Extracted: 08/25/23
Date Analyzed: 08/25/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
EX02-WSW-5.0 308407-01	<50	<250	90
EX02-NSW-5.0 308407-02	<50	<250	95
EX02-SSW-5.0 308407-03	<50	<250	89
Method Blank 03-2037 MB	<50	<250	90

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX02-WSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308407-01 1/0.5
Date Analyzed:	08/25/23	Data File:	082538.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	79	128
Toluene-d8	96	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX02-NSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308407-02 1/0.5
Date Analyzed:	08/25/23	Data File:	082539.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	99	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX02-SSW-5.0	Client:	Farallon Consulting, LLC
Date Received:	08/25/23	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	308407-03 1/0.5
Date Analyzed:	08/25/23	Data File:	082540.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Issaquah Facility 525-039
Date Extracted:	08/25/23	Lab ID:	03-1958 mb 1/0.5
Date Analyzed:	08/25/23	Data File:	082508.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	84	120
Toluene-d8	102	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308407

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 308372-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	112	70-130

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308407

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 308385-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	98	63-146	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	77-123

Date of Report: 08/29/23
Date Received: 08/25/23
Project: Issaquah Facility 525-039, F&BI 308407

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 308384-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	92	95	29-129	3
Toluene	mg/kg (ppm)	2	<0.05	89	92	35-130	3
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	90	32-137	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	89	87	34-136	2
o-Xylene	mg/kg (ppm)	2	<0.05	88	87	33-134	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	101	65-136
Toluene	mg/kg (ppm)	2	99	66-126
Ethylbenzene	mg/kg (ppm)	2	97	64-123
m,p-Xylene	mg/kg (ppm)	4	98	68-128
o-Xylene	mg/kg (ppm)	2	94	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

308407

SAMPLE CHAIN OF CUSTODY

08/25/23 VS-01/N2

Page # 1 of 1

Report To S. SNYDER

Company

Address

City, State, ZIP

Phone Email ssnyder@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: ISSAQUAH FACILITY

PO #: 525-039

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: A.P.

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH SAME DAY

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
EX02-WSW-5.0	01 A-F	8-25-23	1045	SOIL	6	X	X						X				
EX02-NSW-5.0	02	↓	1050	↓	↓	↓	↓						↓				
EX02-SSW-5.0	03	↓	1055	↓	↓	↓	↓						↓				

Samples received at 1 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JOHN KIM	FARALLON	8-25-23	1202
Received by:	ANHPHAN	F&B	08/25/23	12:02
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282